PYTHON REVISION TOUR

Q.NO.	QUESTIONS
1.	Which of the following is not considered a valid identifier in Python ? (i) Two2 (ii) _main (iii) hello_rsp1 (iv) 2 hundred
2.	What will be the output of the following code ? print("100+200") (i) 300 (ii) 100200 (iii) 100+200 (iv) 200
3.	pow( ) function belongs to which library ? (i) math (ii) string (iii) random (iv) maths
4.	What is the output of the following ? x = 123 for i in x: print(i) (i) 123 (ii) 1 2 3 (iii) error (iv) infinite
5.	What data type is the object below? L = 1, 23, 'hello',1 (a) list (b) dictionary (c) array (d) tuple
6.	What is the value of this expression $3**3**1$? (i) 27 (ii) 9 (iii) 3 (iv) 1
7.	List AL is defined as follows: AL=[1,2,3,4,5] Which of the following statement/statements removes the middle element 3 from it so that the list AL equals [1,2,4,5] ? (a) del a[2] (b) a[2:3] = [ ] (c) a[2 : 2]=[ ] (d) a[2] = [ ] (e) a.remove(3)
8.	Find the valid identifier from the following a) False b) Ist&2nd c) 2ndName d) My_Name
9.	Given the lists L=[1,30,67,86,23,15,37,131,9232] , write the output of print(L[3:7]) (a) [67,86,23,15,37] (b) [86,23,15,37]
10.	Identify the invalid logical operator in Python from the following. a) and b) or c) not d) Boolean

11.	Suppose a tuple T is declared as T = (10, 12, 43, 39), which of the following is Incorrect?
	
	    a) print(T[1]) b) print(max(T))
	
	    c) print(len(T)) d) None of the these

12.	A list is declared as Lst = [1,2,3,4,5,6,8] What will be the value of sum(Lst)? (i) 29 (ii) 30 (iii) 7 (iv) 8

13.	If the following code is executed, what will be the output of the following
	
	code?
	
	    name="Computer_Science_with_Python"
	    print(name[-25:10])
	(i) puter_S (ii) hon (iii) puter_Science

14.	Can tuple be nested? (a) Yes (b) No
15.	Can we modify/change keys of a dictionary ? (a) Yes (b) No
16.	………………method of list is used to delete a given element from the list. (i) del (ii) extend( ) (iii) remove( ) (iv) append( )
17.	A tuple is declared as T = (2,66,77,55,6,9,55,8) Write the output of print(T.index(55)) (i) 4 (ii) 3 (iii) 55 (iv) None of these.
18.	Which of the following is/are valid declaration of a dictionary? a) D = {'StuName': 'Alan', 'StuAge': 30, 'StuCity': 'Vizag'} b) D = ['StuName': 'Alan', 'StuAge': 30, 'StuCity': 'Vizag'] c) D = ('StuName': 'Alan', 'StuAge': 30, 'StuCity': 'Vizag') d) D = {'StuName'; 'Alan', 'StuAge': 30, 'StuCity': 'Vizag'}
19.	If the following code is executed, what will be the output of the following code? Title="Online Teaching 2020" print(Title[6:10], Title[-2:-4:-1]) (a) Tea 20 (b) Error (c) e Tea 02
20.	Write the output of the following python expression: print((4>5) and (2!=1) or (4<9)) (i) False (ii) True
21.	Find the operator which cannot be used with a string in Python from the following: (a) + (b) in (c) * (d) //

22.	Which of the following is not a keyword? (a) eval (b) assert (c) nonlocal (d) pass
23.	Which value type does input() return? (a) Boolean (b) String (c) Int (d) Float
24.	The operator _____ tells if an element is present in a sequence or not. (a) exists (b) in (c) into (d) inside
25.	The keys of a dictionary must be of _____ types. (a) Integer (b) mutable (c) immutable (d) any of these
26	What is the output when we execute list("hello")? a) ['h', 'e', 'l', 'l', 'o'] b) ['hello'] c) ['llo'] d) ['olleh']
27	Suppose list1 is [2445,133,12454,123], what is max(list1)? a) 2445 b) 133 c) 12454 d) 123
28	Suppose list1 is [2, 33, 222, 14, 25], What is list1[-1]? a) Error b) None c) 25 d) 2
29	Suppose list1 is [2, 33, 222, 14, 25], What is list1[:-1]? a) [2, 33, 222, 14] b) Error c) 25 d) [25, 14, 222, 33, 2]

30	To add a new element to a list we use which command? a) list1.add(5) b) list1.append(5) c) list1.addLast(5) d) list1.addEnd(5)
31	To insert 5 to the third position in list1, we use which command? a) list1.insert(3, 5) b) list1.insert(2, 5) c) list1.add(3, 5) d) list1.append(3, 5)
32	Suppose list1 is [3, 4, 5, 20, 5], what is list1.index(5)? a) 0 b) 1 c) 4 d) 2
	Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1.count(5)? a) 0 b) 4 c) 1 d) 2
33	Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.extend ([34, 5])? a) [3, 4, 5, 20, 5, 25, 1, 3, 34, 5] b) [1, 3, 3, 4, 5, 5, 20, 25, 34, 5] c) [25, 20, 5, 5, 4, 3, 3, 1, 34, 5] d) [1, 3, 4, 5, 20, 5, 25, 3, 34, 5]
34	Suppose listEx is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listEx.pop() ? a) [3, 4, 5, 20, 5, 25, 1] b) [1, 3, 3, 4, 5, 5, 20, 25] c) [3, 5, 20, 5, 25, 1, 3] d) [1, 3, 4, 5, 20, 5, 25]
35	Suppose d = {"john":40, "peter":45}, to delete the entry for "john" what command do we use? a) d.delete("john":40) b) d.delete("john") c) del d["john"] d) del d("john":40)
36	Which of the following is not a declaration of the dictionary? a) {1: 'A', 2: 'B'} b) dict([[1,"A"],[2,"B"]]) c) {1,"A",2"B"} d) { }
37	Which of the following isn't true about dictionary keys? a) More than one key isn't allowed b) Keys must be immutable c) Keys must be integers d) When duplicate keys encountered, the last assignment wins

38	What will be the output of the following Python code?
	a={}
	a[2]=1
	a[1]=[2,3,4]
	print(a[1][1])
	a) [2,3,4]
	b) 3
	c) 2
	d) An exception is thrown
39	Which of the following statement prints hello\example\test.txt?
	a) print("hello\example\test.txt")
	b) print("hello\\example\\test.txt")
	c) print("hello\"example\"test.txt")
	d) print("hello"\example"\test.txt")
40	What will be the output of the "hello" +1+2+3?
	a) hello123
	b) hello
	c) Error
	d) hello6
41	Say s="hello" what will be the return value of type(s)?
	a) int
	b) bool
	c) str
	d) String
42	What is "Hello".replace("l", "e")?
	a) Heeeo
	b) Heelo
	c) Heleo
	d) None
43	What will be the output of the following Python code?
	Given a string example="hello" what is the output of example.count('l')?
	a) 2
	b) 1
	c) None
	d) 0
44	What will be displayed by print(ord('b') – ord('a'))?
	a) 0 b) 1
	c) -1 d) 2

45	What will be the output of the following Python code? print("abc DEF".capitalize()) a) abc def b) ABC DEF c) Abc def d) Abc Def
46	What will be the output of the following Python code? print('a B'.isalpha()) a) True b) False c) None d) Error
47	What will be the output of the following Python code snippet? print('my_string'.isidentifier()) a) True b) False c) None d) Error
48	What will be the output of the following Python code? print('xyxxyyzxxy.lstrip('xyy')) a) zxxy b) xyxxyyzxxy c) xyxzxxy d) none of the mentioned
49	What will be the output of the following Python code snippet? print('abcdef12'.replace('cd','12')) a) ab12ef12 b) abcdef12 c) ab12efcd d) none of the mentioned
50	What will be the output of the following Python code? list1 = [1,2,3,4] list2 = [5,6,7,8,] print(len(list1+list2)) a) 2 b) 4 c) 5 d) 8

PYTHON REVISION TOUR

ANSWER KEY

Q.NO.	QUESTIONS
1.	Which of the following is not considered a valid identifier in Python ? (ii) Two2 (ii) _main (iii) hello_rsp1 (iv) 2 hundred
Ans	(iv) 2 hundred
2.	What will be the output of the following code ? print("100+200") (i) 300 (ii) 100200 (iii) 100+200 (iv) 200
Ans	(iii) 100+200
3.	pow( ) function belongs to which library ? (i) math (ii) string (iii) random (iv) maths
Ans	(i) math
4.	What is the output of the following ? x = 123 for i in x: print(i) (i) 123 (ii) 1 2 3 (iii) error (iv) infinite
Ans	(iii) error
5.	What data type is the object below? L = 1, 23, 'hello',1 (a) list (b) dictionary (c) array (d) tuple
Ans	(d) tuple
6.	What is the value of this expression 3**3**1 ? (i) 27 (ii) 9 (iii) 3 (iv) 1
Ans	(i) 27
7.	List AL is defined as follows: AL=[1,2,3,4,5] Which of the following statement/statements removes the middle element 3 from it so that the list AL equals [1,2,4,5] ? (a) del a[2] (b) a[2:3] = [ ] (c) a[2 : 2]=[ ] (d) a[2] = [ ] (e) a.remove(3)
Ans	(a) , (b) and (e)

8.	Find the valid identifier from the following a) False b) Ist&2nd c) 2ndName d) My_Name
Ans	(d) My_Name
9.	Given the lists L=[1,30,67,86,23,15,37,131,9232] , write the output of print(L[3:7]) (a) [67,86,23,15,37] (b) [86,23,15,37]
Ans	(b) [86,23,15,37]
10.	Identify the invalid logical operator in Python from the following. a) and b) or c) not d) Boolean
Ans	(d) Boolean
11.	Suppose a tuple T is declared as T = (10, 12, 43, 39), which of the following is Incorrect? a) print(T[1]) b) print(max(T)) c) print(len(T)) d) None of the these
Ans	d) None of the these
12.	A list is declared as Lst = [1,2,3,4,5,6,8] What will be the value of sum(Lst)? (ii) 29 (ii) 30 (iii) 7 (iv) 8
Ans	(i) 29

13.	If the following code is executed, what will be the output of the following
	
	code?
	
	      name="Computer_Science_with_Python"
	
	      print(name[-25:10])
	
	(ii) puter_S (ii) hon (iii) puter_Science

Ans.	puter_S
14.	Can tuple be nested ? (b) Yes (b) No
14.	(a) Yes
15.	Can we modify/change keys of a dictionary ? (a) Yes (b) No
Ans	(b) No

16.	………………method of list is used to delete a given element from the list.
	(ii) del (ii) extend( ) (iii) remove( ) (iv) append( )
Ans.	(iii) remove
17.	A tuple is declared as T = (2,66,77,55,6,9,55,8) Write the output of print(T.index(55)) (ii) 4 (ii) 3 (iii) 55 (iv) None of these.
Ans	(ii) 3
18.	Which of the following is/are valid declaration of a dictionary? a) D = {'StuName': 'Alan', 'StuAge': 30, 'StuCity': 'Vizag'} b) D = ['StuName': 'Alan', 'StuAge': 30, 'StuCity': 'Vizag'] c) D = ('StuName': 'Alan', 'StuAge': 30, 'StuCity': 'Vizag') d) D = {'StuName'; 'Alan', 'StuAge': 30, 'StuCity': 'Vizag'}
Ans	a) D = {'StuName': 'Alan', 'StuAge': 30, 'StuCity': 'Vizag'}
19.	If the following code is executed, what will be the output of the following code? Title="Online Teaching 2020" print(Title[6:10], Title[-2:-4:-1]) (a) Tea 20 (b) Error (c) e Tea 02
Ans	(a) Tea 20
20.	Write the output of the following python expression: print((4>5) and (2!=1) or (4<9)) (ii) False (ii) True
Ans	(ii) True
21.	Find the operator which cannot be used with a string in Python from the following: (a) + (b) in (c) * (d) //
Ans	(d) //
22.	Which of the following is not a keyword? (a) eval (b) assert (c) nonlocal (d) pass
Ans	(c) nonlocal
23.	Which value type does input() return? (a) Boolean (b) String (c) Int (d) Float
Ans	(c) String

24.	The operator _____ tells if an element is present in a sequence or not. (a) exists (b) in (c) into (d) inside
Ans	(b) in
25.	The keys of a dictionary must be of _____ types. (a) Integer (b) mutable (c) immutable (d) any of these
Ans	(c) immutable
26	What is the output when we execute list("hello")? a) ['h', 'e', 'l', 'l', 'o'] b) ['hello'] c) ['llo'] d) ['olleh']
Ans	a) ['h', 'e', 'l', 'l', 'o']
27	Suppose list1 is [2445,133,12454,123], what is max(list1)? a) 2445 b) 133 c) 12454 d) 123
Ans	C
28	Suppose list1 is [2, 33, 222, 14, 25], What is list1[-1]? a) Error b) None c) 25 d) 2
Ans	C
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Ans	a
30	To add a new element to a list we use which command? a) list1.add(5) b) list1.append(5) c) list1.addLast(5) d) list1.addEnd(5)
Ans	b
31	To insert 5 to the third position in list1, we use which command? a) list1.insert(3, 5) b) list1.insert(2, 5) c) list1.add(3, 5) d) list1.append(3, 5)
Ans	b

32	Suppose list1 is [3, 4, 5, 20, 5], what is list1.index(5)?
	a) 0
	b) 1
	c) 4
	d) 2
Ans	d
	Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1.count(5)?
	a) 0 b) 4 c) 1 d) 2
Ans	d
33	Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.extend([34, 5])?
	a) [3, 4, 5, 20, 5, 25, 1, 3, 34, 5]
	b) [1, 3, 3, 4, 5, 5, 20, 25, 34, 5]
	c) [25, 20, 5, 5, 4, 3, 3, 1, 34, 5]
	d) [1, 3, 4, 5, 20, 5, 25, 3, 34, 5]
Ans	a
34	Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.pop()?
	a) [3, 4, 5, 20, 5, 25, 1]
	b) [1, 3, 3, 4, 5, 5, 20, 25]
	c) [3, 5, 20, 5, 25, 1, 3]
	d) [1, 3, 4, 5, 20, 5, 25]
Ans	a
35	Suppose d = {"john":40, "peter":45}, to delete the entry for "john" what command do we use?
	a) d.delete("john":40) b) d.delete("john")
	c) del d["john"] d) del d("john":40)
Ans	c
36	Which of the following is not a declaration of the dictionary?
	a) {1: 'A', 2: 'B'}
	b) dict([[1,"A"],[2,"B"]])
	c) {1,"A",2"B"}
	d) { }
	c
37	Which of the following isn't true about dictionary keys?
	a) More than one key isn't allowed
	b) Keys must be immutable
	c) Keys must be integers
	d) When duplicate keys encountered, the last assignment wins
Ans	c

38	What will be the output of the following Python code? a={} a[2]=1 a[1]=[2,3,4] **print**(a[1][1]) a) [2,3,4] b) 3 c) 2 d) An exception is thrown
Ans	b
39	Which of the following statement prints hello\example\test.txt? a) print("hello\example\test.txt") b) print("hello\\example\\test.txt") c) print("hello\"example\"test.txt") d) print("hello"\example"\test.txt")
Ans	b
40	What will be the output of the "hello" +1+2+3? a) hello123 b) hello c) Error d) hello6
Ans	c
41	Say s="hello" what will be the return value of type(s)? a) int b) bool c) str d) String
Ans	c
42	What is "Hello".replace("l", "e")? a) Heeeo b) Heelo c) Heleo d) None
Ans	a
43	What will be the output of the following Python code? Given a string example="hello" what is the output of example.count('l')? a) 2 b) 1 c) None d) 0
Ans	a
44	What will be displayed by print(ord('b') – ord('a'))? a) 0 b) 1 c) -1 d) 2
Ans	b
45	What will be the output of the following Python code? print("abc DEF".capitalize())
	a) abc def b) ABC DEF c) Abc def d) Abc Def
Ans	c

46	What will be the output of the following Python code? print('a B'.isalpha()) a) True b) False c) None d) Error
Ans	b
47	What will be the output of the following Python code snippet? print('my_string'.isidentifier()) a) True b) False c) None d) Error
Ans	a
48	What will be the output of the following Python code? print('xyxxyyzxxy.lstrip('xyy')) a) zxxy b) xyxxyyzxxy c) xyxzxxy d) none of the mentioned
Ans	a
49	What will be the output of the following Python code snippet? print('abcdef12'.replace('cd','12')) a) ab12ef12 b) abcdef12 c) ab12efcd d) none of the mentioned
Ans	a
50	What will be the output of the following Python code? list1 = [1,2,3,4] list2 = [5,6,7,8,] print(len(list1+list2)) a) 2 b) 4 c) 5 d) 8
Ans	D

MCQs ON FUNCTIONS IN PYTHON

SNO	QUESTIONs
1	Suppose there is a list such that: l=[2,3,4]. If we want to print this list in reverse order, which of the following methods should be used? a) reverse(l)　　　b) list(reverse[(l)]) c) reversed(l)　　　d) list(reversed(l))
2	Which of the following is the use of function in python? a) Functions are reusable pieces of programs b) Functions don't provide better modularity for your application c) you can't also create your own functions d) All of the mentioned
3	Which are the advantages of functions in python? a) Reducing duplication of code b) Decomposing complex problems into simpler pieces c) Improving clarity of the code d) All of the mentioned
4	What is a variable defined outside a function referred to as? a)A static variable　　　b)A global variable c)A local variable　　　d)An automatic variable
5	What is the output of the following code? a=10 *b=20* *def change():* 　*global b* 　*a=45* 　*b=56* *change()* *print(a)* *print(b)* a)10 and 56　　　b)45 and 56 c)10 and 20　　　d)Syntax Error
6	How are variable length arguments specified in the function heading? a) one star followed by a valid identifier b) one underscore followed by a valid identifier c) two stars followed by a valid identifier d) two underscores followed by a valid identifier
7	The output of the code shown below is: *def f1():* 　*x=15* 　*print(x)* *x=12* *f1()* a) Error　　b) 12　　c) 15　　d) 1512

8	What is the output of the code shown below?
	
	  x=100
	
	  def f1():
	    global x
	    x=90
	  def f2():
	    global x
	    x=80
	  print(x)
	
	  a) 100 b) 90 c) 80 d) Error

9	What is the value returned by math.floor(3.4)? a) 3 b) 4 c) 4.0 d) 3.0

10	What is returned by int(math.pow(3, 2))?
	
	  a) 6 b) 9
	  c) error, third argument required d) error, too many arguments

11	Study the following program and select the possible outputs(s) from the option (i) to (iv) following it.
	
	  import random
	  x=random.random()
	  y=random.randint(0,4)
	  Print(int(x0, " :", y+int(x))
	  (i) 0 : 0 (ii)1 : 6
	  (ii) 2 : 4 (iv) 0 : 3

12	If return statement is not used inside the function, the function will return :
	
	  a) 0 b) None object
	  b) An arbitrary iinteger d) error

13	Which of the following keywords marks the beginning of the function?
	
	  a) fun b) function
	
	  c) def d) definition

14	Which of the following function calls will cause error while invoking the function header def test(a,b)
	  (a) test(10,20) (b) test(a=10, b=20)
	  (c test(a=10, b) (d) test(10, b=20)

15	Which function header statement is correct:-
	  (a) def interest (prin, time=2, rate):
	  (b) def interest (prin=2000, time=2, rate):
	  (c) def interest (prin=2000, time=2, rate)
	  (d) def interest (prin, time=2, rate=0.10):

16	What is a variable defined inside a function referred to as? a) A static variable b) A global variable c) A local variable d) An automatic variable
17	Which of the given argument types can be skipped form a function call? a) Positional arguments b) Keyword arguments c) Named arguments d) Default arguments
18	A name inside the parentheses of a function header that can receive a value a) Variable b) Parameter c) Argument d) Keyword
19	Observe the code carefully and write answer of questions given below . *A=10* *B=12* *Def change():* *A=9* *global b* *B=7* *Print(a,b)* *Y=b* *change()* *x=a* *z=b* what is the output of the above program? a) 9 7 b) 10 7 c) 10 12 d) None of the above
20	What is the value of Y in the above program? a) 10 b) 12 b) 7 d) None of the above
21	What is the value of x in the above program? a) 10 b) 12 b) 9 d) None of the above
22	What is the value of z in the above program? a) 10 b) 12 b) 7 d) None of the above
23	In Python which is the correct method to load a module math? a) include math b) import math c) using math d) from math

24	Observe the code carefully and write answer of questions given below:
	``
a=10
def F():
    a=5
    b=20
    print(a)
print(a)
```
What is the output of the above code?
a) 5     b) 10
b) 20     d) None of the above |
| 25 | Observe the code carefully and write answer of questions given below
```
def sum(a=5,b=6,c=9):
    print(a,b,c)
sum(1,2,3)
```
What is the output of the above code?
a) 123     b) 569
b) 6812     d) None of the above |

# Answer Key

| Q. NO | ANS | Q. NO | ANS | Q.NO | ANS |
|-------|-----|-------|-----|------|-----|
| 1 | D | 11 | (i) & (iv) | 21 | A |
| 2 | A | 12 | B | 22 | C |
| 3 | D | 13 | C | 23 | B |
| 4 | B | 14 | C | 24 | B |
| 5 | A | 15 | D | 25 | A |
| 6 | A | 16 | C | 26 | |
| 7 | C | 17 | D | 27 | |
| 8 | A | 18 | B | 28 | |
| 9 | A | 19 | A | 29 | |
| 10 | B | 20 | B | 30 | |