CLASS – VII A & C COMPUTER HOLIDAY HOMEWORK

2022-23

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Art Integrated Project

Summer Holiday

What's a Holiday Without Homework?

Summer is here and with it come your amazing holidays! But what's a holiday without some homework?
So, we've decided to give you a fun filled activities this summer!

please follow the instructions

1. Prepare a separate file with title:
   Vidya Devi Jindal School, Kosikalan
   "ART INTEGRATED PROJECT"
   Subject: COMPUTER
   Submitted By: _____ Class: _____
2. Use A4 size coloured sheets.
3. Use any good quality plastic file.
4. File should be well decorated.
5. Finish your homework within summer vacations and submit it when school reopens.
6. All assignments should be hand written.
7. Marks will be awarded for the file.
8. Surprise gift hamper will be given to best 3 projects.

What is Artificial Intelligence?

What is intelligence? Are there different types of intelligence?

Do you know any examples of A.I. from popular books or films?

Can A.I. be dangerous? How?

Why do we need A.I.? What are the benefits?

Will A.I. be more intelligent than humans?

How is A.I. helping us today?

How is A.I. different from typical robots?

Will A.I. make us lose our jobs? What jobs can A.I. replace? Is your job safe?

What's the difference between human intelligence and A.I.?

What adjectives best describe A.I.?

What are self-driving vehicles?

What companies use A.I. and what for? Google? Netflix?

What do you know about digital assistants?

What are some examples of A.I. in current technology?

What is an algorithm? How are they useful? What can they do?
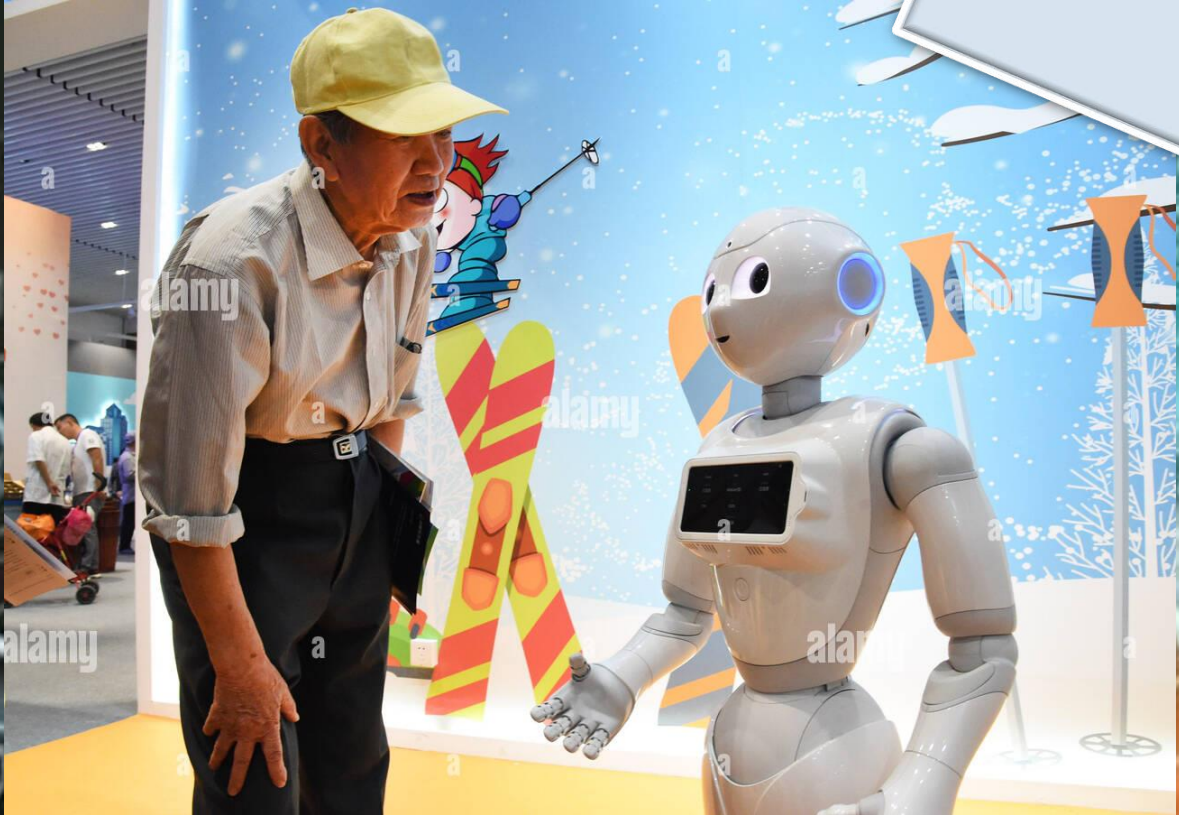
Will A.I. be our last invention?
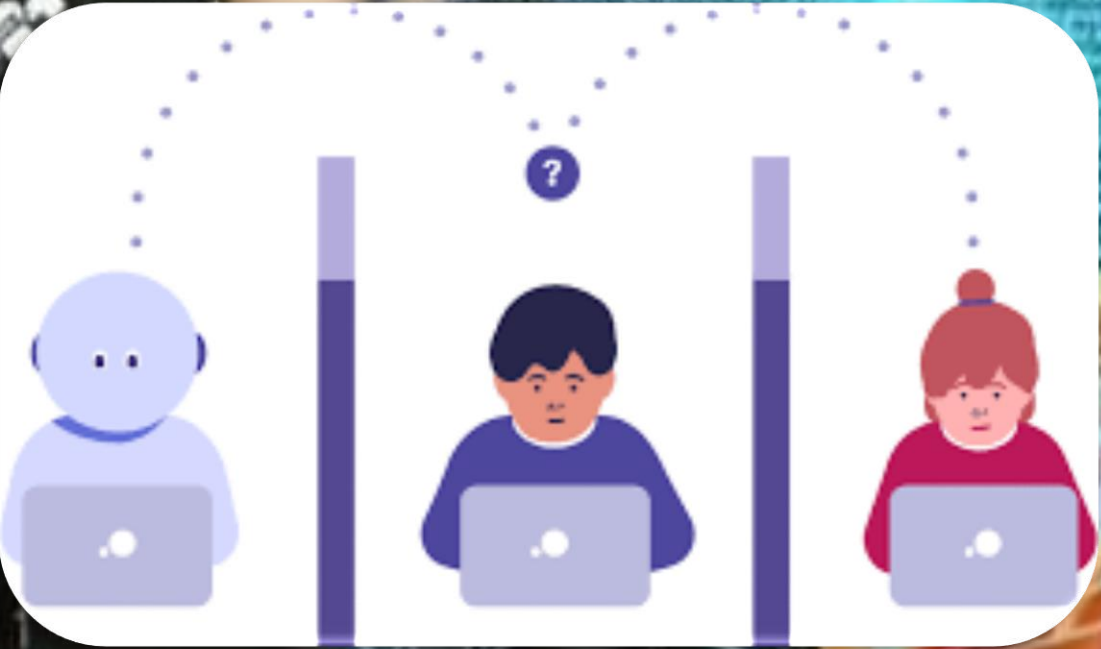
How will we know if the A.I. is self-aware?

Assignment -2

Write top 10 achievements in the field of Artificial Intelligence

Assignment –3

Explain Turing Test with diagram.
(You can take help from Google).

Convert each of the following decimal (base 10) number representations to a binary (base 2) representation.

a) 5	b) 15	c) 32	d) 65
e) 127	f) 1024	g) 2047	h) 129

Convert each of the following binary (base 2) number representations to a decimal (base 10) representation.

a) 1001	b) 1101	c) 100001	d) 111111
e) 100100	f) 101010	g) 1000000	h) 11101110

Convert each of the following decimal (base 10) number representations to an octal (base 8) representation.

a) 5	b) 15	c) 32	d) 65
e) 127	f) 1024	g) 2047	h) 129

Convert each of the following octal (base 8) number representations to a decimal (base 10) representation.

a) 102235   b) 16   c) 47   d) 70452   e) 177776

Convert each of the following hexadecimal (base 16) number representations to a decmial (base 10) representation.

a) 1F   b) E2   c) F1   d) ABCD   e) 1FFE

Convert each of the following binary (base 2) number representations to an octal (base 8) representation.

a) 1001	b) 1101	c) 100001	d) 111111
e) 100100	f) 101010	g) 1000000	h) 11101110

Convert each of the following octal (base 8) number representations to a hexadecimal (base 16) representation:

a) 747   b) 228