



INDIAN SCHOOL AL WADI AL KABIR

Class: IX	DEPARTMENT OF COMPUTER SCIENCE	Date of submission:
Topic: Getting started with scratch programming and components of scratch window.		Worksheet3

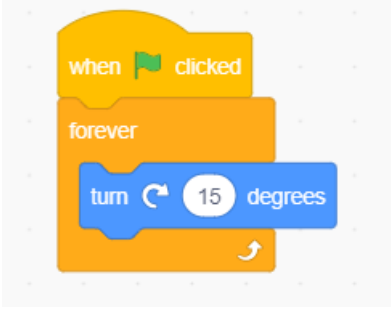
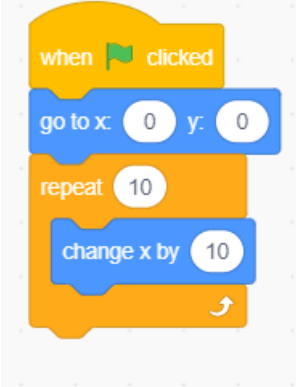
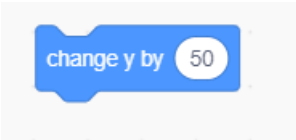
SECTION- A

Fill in the blanks :

1. The displays names and thumbnails for all the sprites in your project
2. A code block that has either rounded or angled sides and is specifically designed as a mechanism for providing input for other code blocks to process is known as.....
3. The wait block is present in the Palette.
4.is an example of Command Block.
5. A code block that controls sprite placement, direction, rotation, and movement is known as a _____ block
6.'.....is an example of trigger block
7. Function blocks are also called.....
8. _____ blocks perform arithmetic operations, generate random numbers, and compare numeric values to determine their relationship to one another
9.and.....blocks are also called stack block.

10. An _____ script is one that automatically executes when a specified event occurs.

Predict the output of the following code blocks:

<p>a)</p> 	<p>b)</p> 
<p>c) What would this block do to the sprite?</p> 	

State whether True or False

1. When you drag a block around the Scripts Area, a white highlight indicates where you can drop that block to form a valid connection with another block.
2. Clicking anywhere on a script, complete or partial, runs the entire script, from top to bottom in scratch.
3. The outputs of pick random 0 to 1 and pick random 0 to 1.0 are same
4. Function blocks (also called reporters) don't have notches or bumps.
5. Trigger blocks do not connect events to scripts

Answer the following Questions

- 1) Define the following
 - a) Stack block
 - b) Hat block
 - c) Reporters
 - d) Function blocks
- 2) How to generate random numbers in scratch.
- 3) Use the say command and the appropriate blocks from the Operators palette to calculate the following:
 - a. The square root of 32
 - b. The sine of 30°
 - c. The cosine of 60°
 - d. The result of rounding 99.459
- 4) Name the different types of blocks in scratch based on their shape.
- 5) The different types of blocks in scratch based on shape are command blocks, function blocks, trigger blocks, and control blocks.
- 6) What is the use of function block
- 7) Name the different types of operators in scratch.