

COMPUTER SCIENCE
CLASS: VIII
Introduction to Java (Chapter: 2)

A. Choose the correct option for each of the following.

1. Step by step instruction is known as c. Flow chart.
2. A formal set of instructions is called c. Algorithm.
3. The graphical representation of an algorithm is called c. Flow chart.
4. Number of times a word appears can be counted by b. loops.

B. Write an algorithm and draw the flow chart for each of the following.

1. Find the large number out of two numbers A and B .

Ans.:-

Algorithm:

Step 1: Start

Step 2: Read a, b . /* a, b two numbers */

Step 3: If $a > b$ then /*Checking */

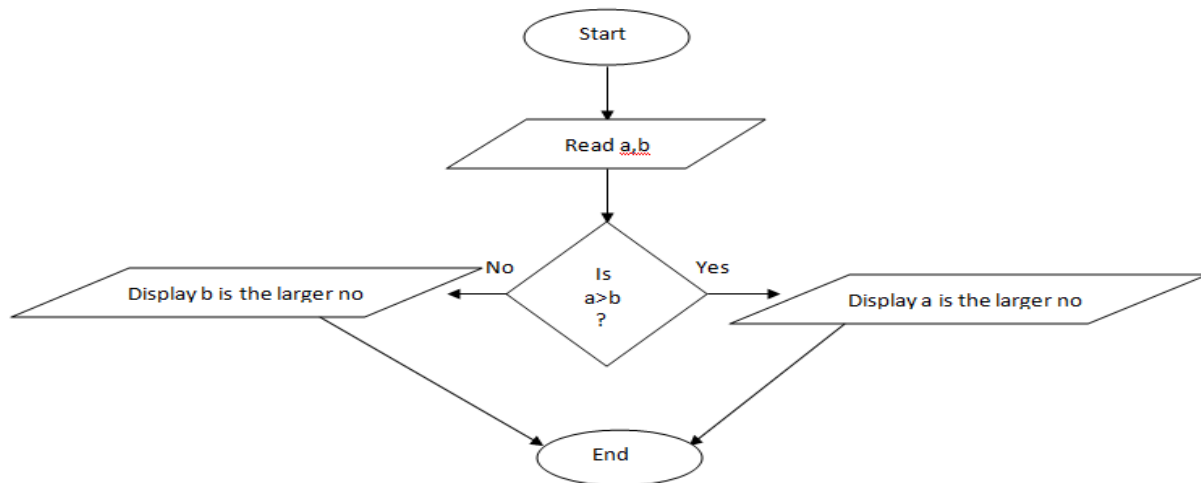
Display "a is the largest number".

Otherwise

Display "b is the largest number".

Step 4: Stop.

Flow Chart:



2. Add two numbers A and B.

Ans.:-

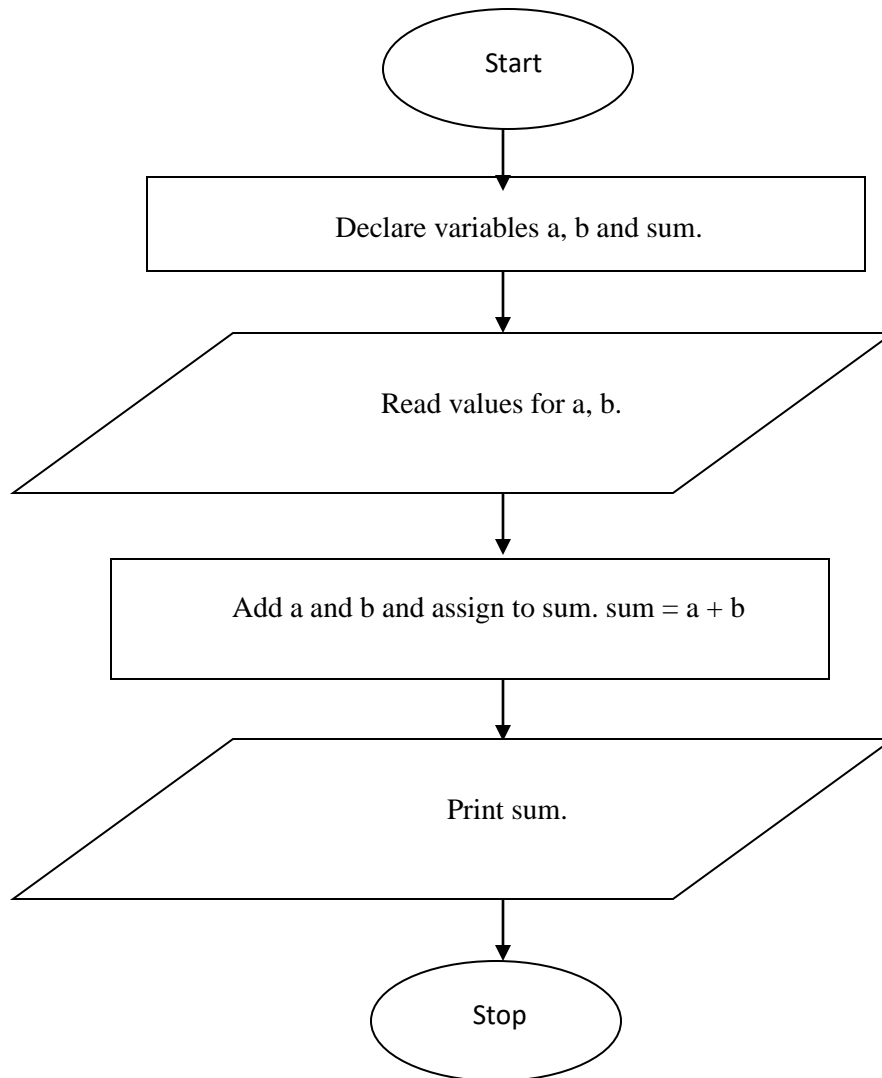
Algorithm:

Step 1: Start.

Step 2: Declare variables a, b and sum.

- Step 3: Read values for a, b.
Step 4: Add a and b and assign the result to a variable sum.
Step 5: Display result sum.
Step 6: Stop.

Flow Chart:



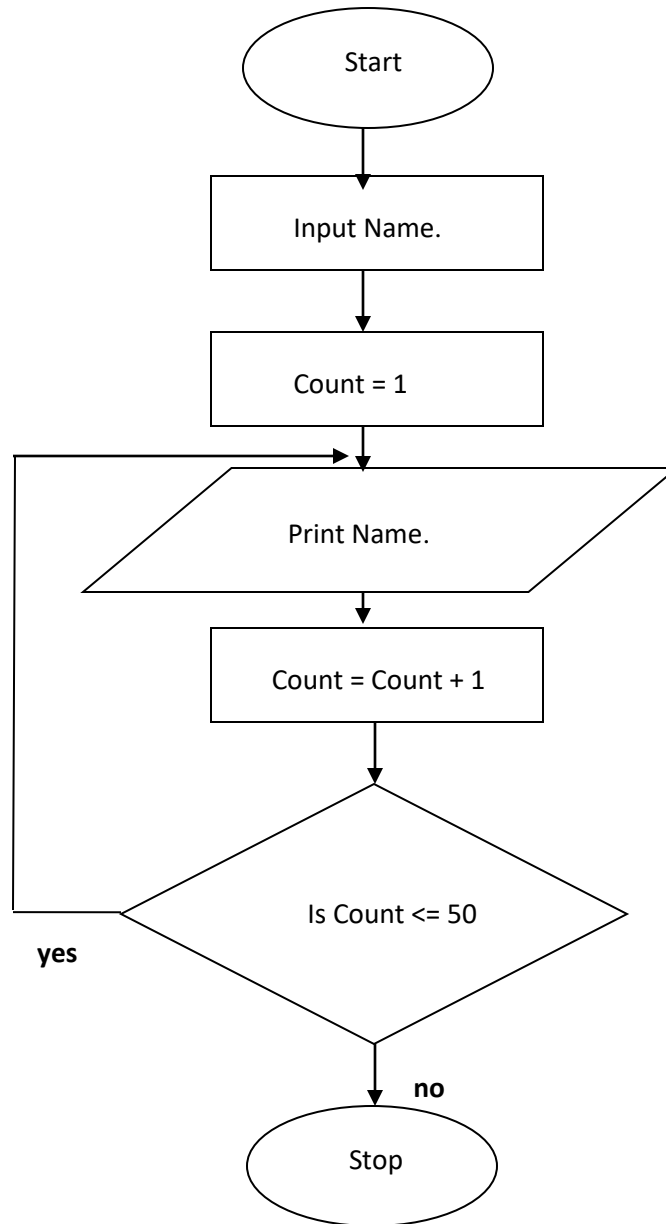
3. Print your name 50 times.

Ans.:-

Algorithm:

- Step 1: Start.
Step 2: Input your name.
Step 3: Assign variable count = 1.
Step 4: start a loop if count <= 50 then
 Display your name.
 Otherwise
Step 5: Stop.

Flow Chart:



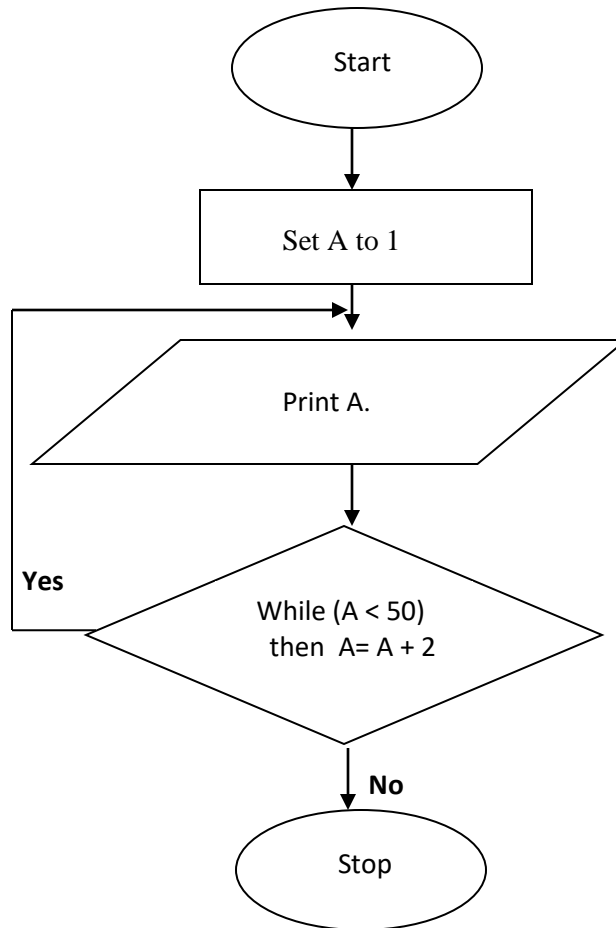
4. Find the odd numbers from 1 to 50 times.

Ans.:-

Algorithm:

- Step 1: Start.
- Step 2: Set A to 1
- Step 3: While (A < 50)
- Step 4: Print A
- Step 5: A = A+2
- Step 6: endwhile
- Step 7: Stop

Flow Chart:



C. Answer the following questions.

1. Define the terms algorithm and Program.

Ans.:-Page no. 18.

2. How is flow chat helpful for writing a program?

Ans.:-Page no. 21.

3. Which flowchart symbol has oval shape?

Ans.:-Page no. 20

4. What does arrow lines in a flowchart signify?

Ans.:-Page no. 21

5. Write down the steps of programming?

Ans.:-Page no. 18

