

# Worksheet

Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

## ITERATIVE CONSTRUCTS IN JAVA

### Chapter-9

#### 1. Write the programs in Java to display the following series.

- (a) 0, 1, 2, 3, 6,
- (b) 1, -3, 5, -7, 9,
- (c) 0, 3, 8, 15,
- (d) 1, 11, 111, 1111,
- (e)  $S = 2 - 4 + 6 - 8 + \dots$  to n

#### 2. Answer the following questions.

- (a) Write down the syntax of a nested for loop.
- (b) What action will you take to terminate an outer loop from the block of an inner loop?
- (c) What is the significance of 'break outer' and 'continue outer' in a nested loop?
- (d) Write down the constructs (syntax) of- Nested do-while loop.

#### 3. What is the output.

- (a) What is the output of the Java program?

```
int a=10;
if(a==9)
    System.out.println("OK ");
    System.out.println("MASTER");
else
    System.out.println("BYE");
```

- (b) What is the output of the Java program with IF statement?

```
if(true)
{
    break;
    System.out.println("ELEPHANT");
}
```

- (c) What is the output?

```
int x = 0;
while (x <= 5)
{
    System.out.print(x + " ");
    x++;
}
```