

Worksheet

Name:
Roll No: Class: Section:
Date:

NESTED LOOP

Chapter-9

1. Fill in the blanks.

- If the break statement is executed within the outer loop then the control of the program will exit from the loop.
- The statement is used for exiting the loop.
- If a for loop is used within another for loop then it is called a loop.
- To execute a loop times, you need to write a loop inside another loop.
- If the loop does not evaluate to true, then the inner loop will not execute.

2. Answer the following questions:

- Write a program to print the pattern:

```
12345
2345
345
45
5
```

- How many times will the loop execute ? What will be the output?

```
int a=3 , b=2;
for (;a>1;a--)
{ for (;b>1;b--)
{ System.out.print (a+b) ; }
System.out.println() ;
}
```

- Write a program to print a hollow square pattern as shown below:

```
* * * * *
*       *
*       *
*       *
*       *
* * * * *
```

- Find the error:

```
int i,j;
for (i=1;i<=3;i++) ;
{for (j=1;j<=i,j++)
{System.out.println(k) ; }
}
```

- Write the program to provide the factorial of two numbers input by a user.