Task Solution

1)Write a program to print the numbers from 10 to 50 using for loop/while loop.

```
Main.java
                                                  1 - import java.util.Scanner;
2 - public class Main{
      public static void main(String[] args){
           Scanner input = new Scanner(System.in);
5
           System.out.println("Enter the starting number:");
 6
           int s = input.nextInt();
          System.out.println("Enter the ending number:");
 7
8
          int n = input.nextInt();
9 -
           while(s <= n){</pre>
10
               System.out.print(s + " ");
12
13
       }
14 }
```

The output is:

```
Output

Enter the starting number:

10
Enter the ending number:

50

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

=== Code Execution Successful ===
```

2)Write a program that find a given number is positive or negative.

```
Main.java
                                                     [] 6

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1 - import java.util.Scanner;
2 - public class Pos{
3 +
       public static void main(String[] args){
4
           Scanner input = new Scanner(System.in);
5
            System.out.println("Enter the number:");
6
           int num= input.nextInt();
7 -
           if(num >= 0){
                System.out.println(num + " is positive");
8
9
           }
10 -
           else{
                System.out.println(num + " is negative");
11
12
13
       }
14 }
```

The output is:

```
Doutput

Enter the number:
123
123 is positive
=== Code Execution Successful ===
```

3)Write down the program to reverse the given number using loops.

The output is:

```
Problems ② Javadoc ② Declaration ☐ Console ×

<terminated > Reverse [Java Application] C:\Users\manju\.p2\pool\plugins\org.eclipse.justj.ope

Enter the num:

45566
66554

Writable Smar
```

4)Write a java program to Find the smallest number among three numbers.

The output is:

```
R Problems ② Javadoc ⚠ Declaration ☐ Console ×

<terminated > Smallest [Java Application] C:\Users\manju\.p2\pool\plugins\org.eclipse.just

Enter the num a:

2
Enter the num b:

3
Enter the num c:

4
2 is smallest
```

- 5) Write a Java program that takes the purchase amount as input and calculates the final payable amount after applying the discount.
- 1. If the purchase amount is less than 500, no discount is applied.
- 2. If the purchase amount is between 500 and 1000, a 10% discount is applied.
- 3. If the purchase amount is greater than 1000 a 20% discount is applied

The output is:

```
Problems ● Javadoc ● Declaration ■ Console ×

<terminated > Purchase [Java Application] C:\Users\manju\.p2\pool\plugins\org.eclipse.justj.openjd

Enter the amount:

600

10% discount is applied!, the amount is = 540.0
```

6) Write a java program to print bellowed pattern i and j and $k\rightarrow 5$

The output is:

```
Problems • Javadoc • Declaration • Console ×

<terminated > Pattern [Java Application] C:\Users\manju\.p2\pool\plugins\org.eclipse.justj.ope

Enter the num:

5

5 5 5 5 5

5 4 4 4 4

5 4 3 3 3

5 4 3 2 2

5 4 3 2 1
```

Thank you!