Problem Statement

1. Write a program to find the highest among the given 3 numbers.

2. Write a program to print the following pattern:

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

<u>Solutions</u>

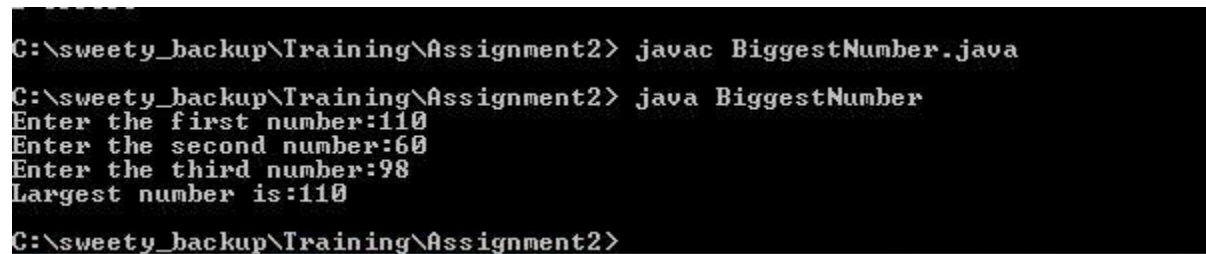1.   Write a program to find the highest among the given 3 numbers

```java
import java.util.Scanner;
 class BiggestNumber
 {
public static void main(String[] a)
     {
int num1, num2, num3;// initializing 3 numbers
 Scanner s = new Scanner(System.in);
System.out.print("Enter the first number:");
 num1 = s.nextInt();// input from user
System.out.print("Enter the second number:");
num2 = s.nextInt();
System.out.print("Enter the third number:");
num3 = s.nextInt();
if(num1 > num2 && num1 > num3)// && operator will true only when num1 is highest
 {
 System.out.println("Largest number is:"+num1)
 {
 else if(num2 > num3)  {
```

```java
System.out.println("Largest number is:"+num2);

}

else

    {

System.out.println("Largest number is:"+num3)

}

}

}
```

ScreenShot of Result

```
C:\sweety_backup\Training\Assignment2> javac BiggestNumber.java

C:\sweety_backup\Training\Assignment2> java BiggestNumber
Enter the first number:110
Enter the second number:60
Enter the third number:98
Largest number is:110

C:\sweety_backup\Training\Assignment2>
```

2. Write a program to print the following pattern:
```
    *      *

      *   *

       *

      *  *

    *       *
```

```java
import java.util.Scanner;

class Crosspattern{

public static void main(String[] a)

{

Scanner s = new Scanner(System.in);

System.out.print("Enter the number of lines needs to be printed:");

int size = s.nextInt();// it will take input from user

 for (int i = 0; i < size; i++) // number of rows count

        {
```

```java
        for (int j = 0; j < size; j++) // number of column count

            {

            if (i == j || i + j == size - 1)// logic || operator will return true when any of the condition is true

            {

            System.out.print("*");

            }

else

 System.out.print(" ");

            }

        }

        System.out.println();

    }

}

}
```

ScreenShot of the Result