

Name: Hitendra Sisodia  
Sap id: 500091910

## Lab 2


Ques1: Write a program in Java to print Fibonacci series up to 10 terms.

### Source Code

```
package Lab2;

public class Fibonacci {
    public static void main(String[] args) {
        System.out.println("Hitendra Sisodia");
        System.out.println("500091910");
        int h = 1;
        int l = 0;
        System.out.println(l);
        while(h<50) {
            System.out.println(h);
            h = h + l;
            l = h - l;
        }
    }
}
```

### Output

A screenshot of a Java console window titled "Console x". The window shows the output of a Java application named "Fibonacci [Java Application]". The output consists of the name "Hitendra Sisodia", the ID "500091910", and the first 10 terms of the Fibonacci series: 0, 1, 1, 2, 3, 5, 8, 13, 21, and 34. The console window also displays the path to the Java executable and the current time and date.

```
<terminated> Fibonacci [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Aug 22, 2022, 6:38:07 PM – 6:38:07 PM) [pid: 14868]
Hitendra Sisodia
500091910
0
1
1
2
3
5
8
13
21
34
```

Name: Hitendra Sisodia  
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## Lab 2

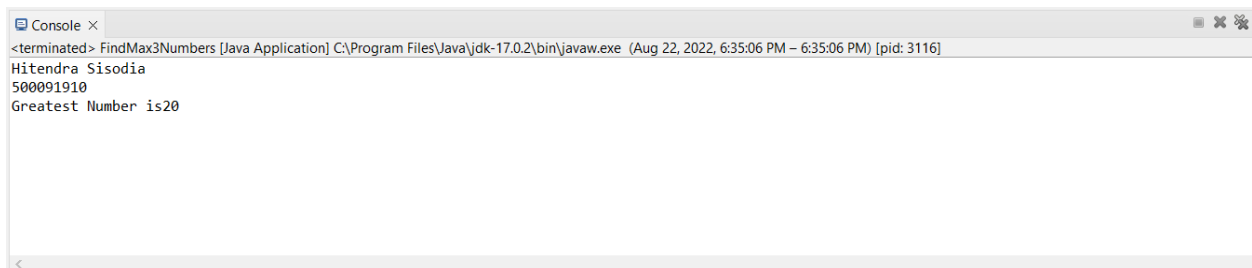
Ques2: Write a program in Java to find out the largest of three numbers.

### Source Code

```
package Lab2;

public class FindMax3Numbers {
    public static void main(String[] args) {
        System.out.println("Hitendra Sisodia");
        System.out.println("500091910");
        int a = 20;
        int b = 5;
        int c = 3;
        if(a > b){
            if(a > c) {
                System.out.println("Greatest Number is"+a);
            }
            else {
                System.out.println("Greatest Number is"+c);
            }
        }
        else {
            if(b > c) {
                System.out.println("Greatest Number is"+b);
            }
            else {
                System.out.println("Greatest Number is"+c);
            }
        }
    }
}
```

### Output



```
Console x
<terminated> FindMax3Numbers [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Aug 22, 2022, 6:35:06 PM - 6:35:06 PM) [pid: 3116]
Hitendra Sisodia
500091910
Greatest Number is20
```

Name: Hitendra Sisodia  
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## Lab 2

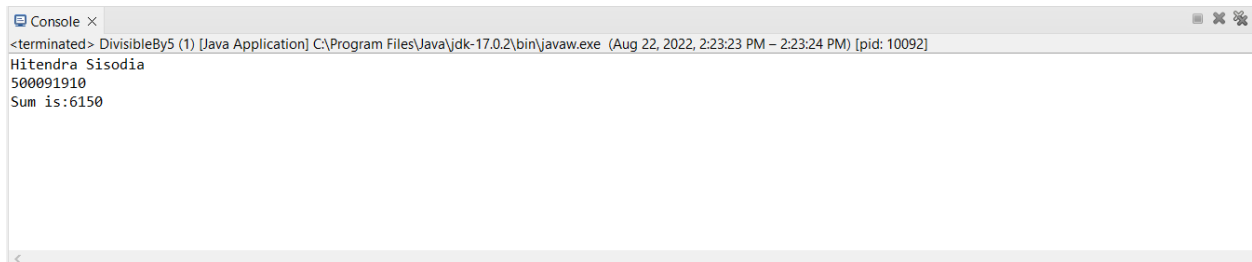
Ques3: Write a program in Java to Find sum of all numbers greater than 40 and less than 250 that are divisible by 5.

### Source Code

```
package Lab2;

public class DivisibleBy5 {
    public static void main(String[] args) {
        System.out.println("Hitendra Sisodia");
        System.out.println("500091910");
        int sum = 0;
        int i = 50;
        int num = 250;
        while(i <= num) {
            if(i % 5 == 0) {
                sum = sum + i;
            }
            i++;
        }
        System.out.println("Sum is:"+sum);
    }
}
```

### Output

A screenshot of a Java console window titled "Console x". The window shows the output of the program: "<terminated> DivisibleBy5 (1) [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Aug 22, 2022, 2:23:23 PM - 2:23:24 PM) [pid: 10092]" followed by "Hitendra Sisodia", "500091910", and "Sum is:6150". The console window has standard Windows window controls (minimize, maximize, close) in the top right corner.

```
<terminated> DivisibleBy5 (1) [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Aug 22, 2022, 2:23:23 PM - 2:23:24 PM) [pid: 10092]
Hitendra Sisodia
500091910
Sum is:6150
```

Name: Hitendra Sisodia  
Sap id: 500091910

## Lab 2

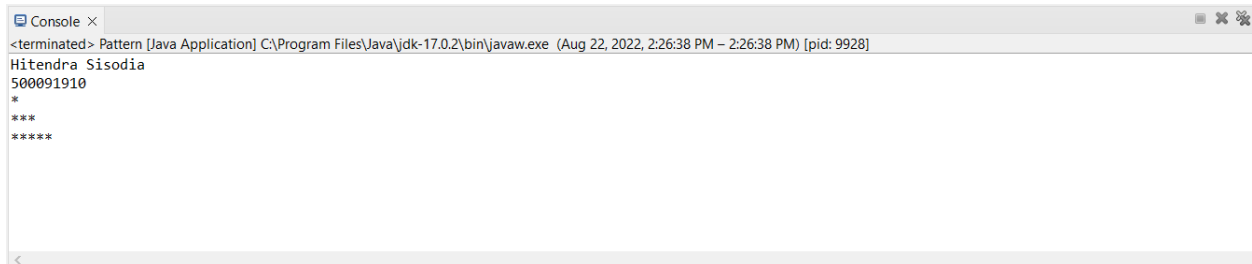
Ques4: Write a program in Java to print the following pattern using loops

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

### Source Code

```
package Lab2;  
  
public class Pattern {  
    public static void main(String[] args) {  
        System.out.println("Hitendra Sisodia");  
        System.out.println("500091910");  
        for(int i = 0 ; i < 3 ; i++) {  
            for(int j = 0 ; j < 2*i + 1 ; j++) {  
                System.out.print("*");  
            }  
            System.out.println();  
        }  
    }  
}
```

### Output



```
Console ×  
<terminated> Pattern [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Aug 22, 2022, 2:26:38 PM – 2:26:38 PM) [pid: 9928]  
Hitendra Sisodia  
500091910  
*  
***  
*****  
<
```