

JAVA PROGRAM LAB1

Program1:Java Program to find sum of two numbers.

```
class Program1Sum
{
    public static void main(String args[]){
        int number1 = 100;
        int number2 = 200;
        System.out.println("Number1 is:"+number1);
        System.out.println("Number2 is:"+number2);
        int sum = number1 + number2;
        System.out.println("Sum of the two numbers is:" + sum);
    }
}
```

Program2: Java program to find biggest of two numbers

```
class Program2Largestof2
{
    public static void main(String args[]){
        int number1 = 5;
        int number2 = 2;
        System.out.println("Number1 is:" + number1);
        System.out.println("Number2 is:" + number2);
        System.out.println("Largest of two numbers:");
        if(number1>number2)
            System.out.println("Number1 " + number1 + " is larger than Number2");
        else
            System.out.println("Number2 " + number2 + " is larger than Number1")
        }
    }
```

Program3: Java Program to find given number is odd or not

```
class Program3OddorEven
```

```
{
```

```
    public static void main(String args[]){
```

```
        int number1 = 8;
```

```
        int number2 = 201;
```

```
        System.out.println("Number1 is:"+number1);
```

```
        System.out.println("Number2 is:"+number2);
```

```
    if(number1%2==0)
```

```
        System.out.println(number1 + "is Even");
```

```
    else
```

```
        System.out.println(number1 + "is Odd");
```

```
    if(number2%2==0)
```

```
        System.out.println(number2 + " is Even");
```

```
    else
```

```
        System.out.println(number2 + " is Odd")
```

```
    }
```

```
}
```

Program4: Java program to find leap year or not

```
class Program4Leap
```

```
{
```

```
    public static void main(String args[]){
```

```
        int year = 2001;
```

```
        int year2 = 2012;
```

```
        System.out.println("Year1 is:"+year);
```

```
        System.out.println("Year2 is:"+year2);
```

```
        //To check whether the value intialized with the year is leap or not
```

```
        if(year % 4 == 0)
```

```
        {
```

```
            if( year % 100 == 0)
```

```
            {
```

```
                if ( year % 400 == 0)
```

```
                    System.out.println(year + " is leap year");
```

```
                else
```

```
                    System.out.println(year + " is not leap year");
```

```
            }
```

```
        else
```

```
            System.out.println(year + " is leap year");
```

```
        }
```

```
    else
```

```
        System.out.println(year + " is not leap year");
```

```
        //To check whether the value intialized with the year 2 is leap or not
```

```
        if(year2 % 4 == 0)
```

```
        {
```

```
if( year2 % 100 == 0)
{
    if ( year2 % 400 == 0)
        System.out.println(year2 + " is leap year");
    else
        System.out.println(year2 + " is not leap year");
}
else
    System.out.println(year2 + " is leap year");
}
else
    System.out.println(year2 + " is not leap year");
}
}
```

Program6:Java program to find given character is vowel or not

```
public class Program6 {  
    public static void main(String args[]){  
        char ch = 'e';  
        char ch1= 'g';  
        if(ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' || ch == ' '){  
            System.out.println("Given character " +ch+" is an vowel");  
        }else{  
            System.out.println("Given character " +ch+ "is a consonant");  
        }  
        if(ch1 == 'a' || ch1 == 'e' || ch1 == 'i' || ch1 == 'o' || ch1 == 'u' || ch1 == ' '){  
            System.out.println("Given character " +ch1+" is an vowel");  
        }else{  
            System.out.println("Given character " + ch1 + " is a consonant");  
        }  
    }  
}
```

Program7:Java program to display welcome message

```
class Program7{  
    //Program7 Display a welcome message on computer screen  
    public static void main(String args[]){  
        System.out.println("Hello Java");  
    }  
}
```

Program8:Java Program to print integer,float and string variables

```
class Program8
```

```
{
```

```
    public static void main(String args[]){
```

```
        int number1 = 100;
```

```
        float number2 = 2.3f;
```

```
        String string ="Hello";
```

```
        System.out.println("Value of Integer variable is:"+number1);
```

```
        System.out.println("Value of Float variable is:"+number2);
```

```
        System.out.println("Value of String variable is:"+string);
```

```
    }
```

```
}
```


Program9:Java program to print smallest of three numbers

```
class Program9Smallestof3
```

```
{
```

```
    public static void main(String args[]){
```

```
        int number1 = 5;
```

```
        int number2 = 2;
```

```
        int number3 = 7;
```

```
        System.out.println("Number1 is:" + number1);
```

```
        System.out.println("Number2 is:" + number2);
```

```
        System.out.println("Number3 is:" + number3);
```

```
        System.out.println("Largest of three numbers:");
```

```
        if(number1 < number2 && number1 < number3)
```

```
            System.out.println("Number1 " + number1 + " is smallest");
```

```
        else if(number2 < number3)
```

```
            System.out.println("Number2 " + number2 + " is smallest");
```

```
        else
```

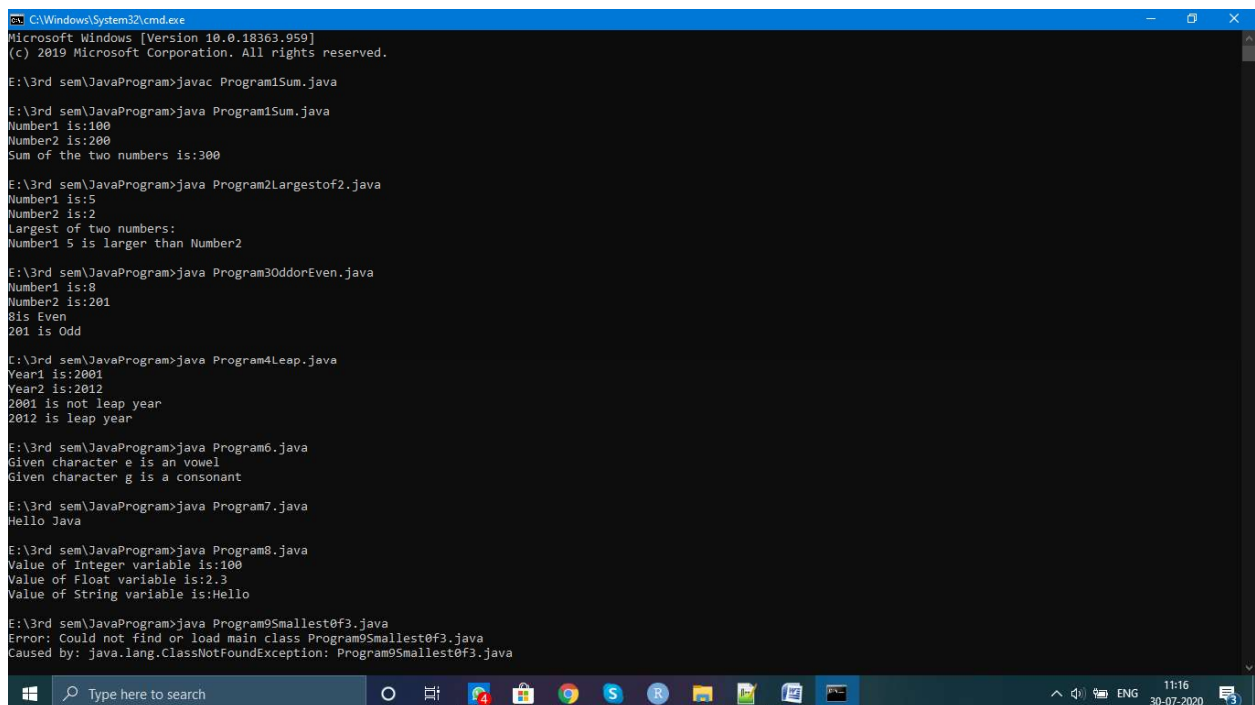
```
            System.out.println("Number3 " + number3 + " is smallest");
```

```
    }
```

```
}
```

Program10:Java program to print quotient and remainder

```
public class Program10 {  
  
    public static void main(String[] args)  
    {  
  
        int dividend = 556, divisor = 9;  
  
        int quotient = dividend / divisor;  
  
        int remainder = dividend % divisor;  
  
        System.out.println("The Quotient is = " + quotient);  
  
        System.out.println("The Remainder is = " + remainder);  
    }  
}
```



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18363.959]
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E:\3rd sem\JavaProgram>javac Program1Sum.java
E:\3rd sem\JavaProgram>java Program1Sum.java
Number1 is:100
Number2 is:200
Sum of the two numbers is:300

E:\3rd sem\JavaProgram>java Program2Largestof2.java
Number1 is:5
Number2 is:2
Largest of two numbers:
Number1 5 is larger than Number2

E:\3rd sem\JavaProgram>java Program3OddorEven.java
Number1 is:8
Number2 is:201
8 is Even
201 is Odd

E:\3rd sem\JavaProgram>java Program4Leap.java
Year1 is:2001
Year2 is:2012
2001 is not leap year
2012 is leap year

E:\3rd sem\JavaProgram>java Program6.java
Given character e is an vowel
Given character g is a consonant

E:\3rd sem\JavaProgram>java Program7.java
Hello Java

E:\3rd sem\JavaProgram>java Program8.java
Value of Integer variable is:100
Value of Float variable is:2.3
Value of String variable is:Hello

E:\3rd sem\JavaProgram>java Program9SmallestOf3.java
Error: Could not find or load main class Program9SmallestOf3.java
Caused by: java.lang.ClassNotFoundException: Program9SmallestOf3.java
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18363.959]
(c) 2019 Microsoft Corporation. All rights reserved.

E:\3rd sem\JavaProgram>javac Program9Smallestof3.java

E:\3rd sem\JavaProgram>java Program9Smallestof3.java
Number1 is:5
Number2 is:2
Number3 is:7
Largest of three numbers:
Number2 2 is smallest

E:\3rd sem\JavaProgram>javac Program10.java

E:\3rd sem\JavaProgram>java Program10.java
The Quotient is = 61
The Remainder is = 7

E:\3rd sem\JavaProgram>
```

Submitted by Linet.M .Shaji