

## Lab0

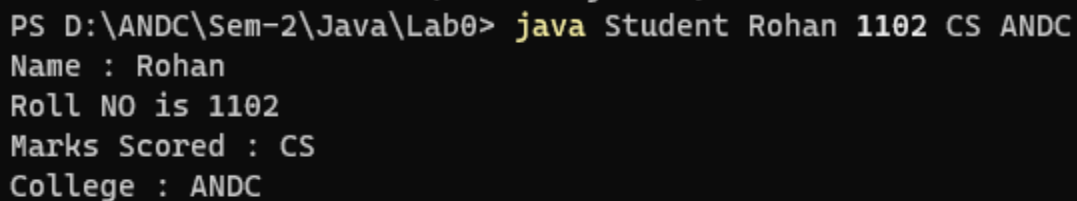
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//Practise Set Number 1

```
public class Student{
    public static void main(String args[]){
        // Name,RollNo,Course,college
        Student stu1 = new Student(args);
        stu1.display();
    }

    public void display(){
        System.out.println("Name : "+this.name);
        System.out.println("Roll NO is "+this.rollNo);
        System.out.println("Marks Scored : "+this.course);
        System.out.println("College : "+this.college);
    }
    public String name;
    public String course;
    public int rollNo;
    public String college;
    public Student(String args[]){
        name=args[0];
        rollNo=Integer.parseInt(args[1]);
        course=args[2];

        college=args[3];
    }
}
```



```
PS D:\ANDC\Sem-2\Java\Lab0> java Student Rohan 1102 CS ANDC
Name : Rohan
Roll NO is 1102
Marks Scored : CS
College : ANDC
```

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//Practise Set 2

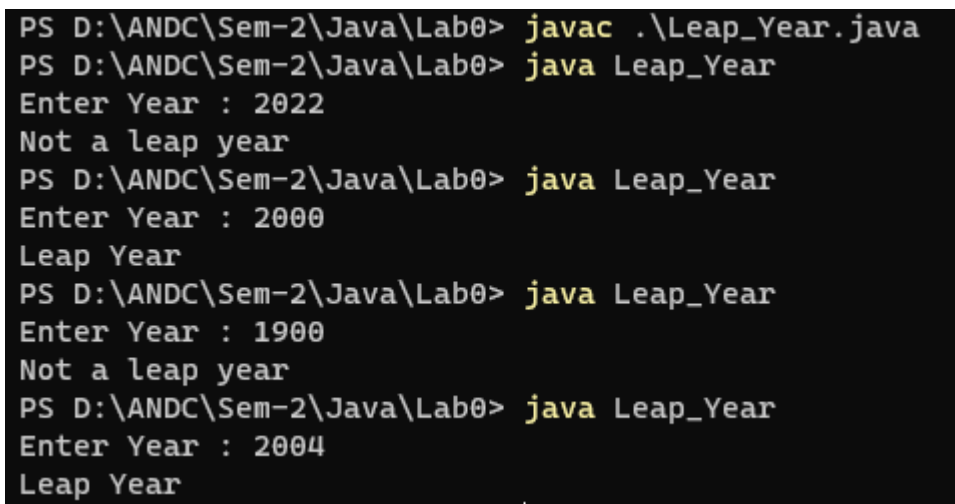
```
import java.util.Scanner;
```

```
public class Leap_Year {
    public static void main(String[] args){
        Scanner sc= new Scanner(System.in);
        System.out.print("Enter Year : ");
        int year=sc.nextInt();
        if ((year%400!=0)&& (year%100==0)){
```

```

        System.out.println("Not a leap year ");
    }
    else if (year%400==0){
        System.out.println("Leap Year");
    }
    else if (year%4==0){
        System.out.println("Leap Year");
    }
    else { System.out.println("Not a leap year ");}
    sc.close();
}
}

```



```

PS D:\ANDC\Sem-2\Java\Lab0> javac .\Leap_Year.java
PS D:\ANDC\Sem-2\Java\Lab0> java Leap_Year
Enter Year : 2022
Not a leap year
PS D:\ANDC\Sem-2\Java\Lab0> java Leap_Year
Enter Year : 2000
Leap Year
PS D:\ANDC\Sem-2\Java\Lab0> java Leap_Year
Enter Year : 1900
Not a leap year
PS D:\ANDC\Sem-2\Java\Lab0> java Leap_Year
Enter Year : 2004
Leap Year

```

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// Practise Set 3

// Sum of N Command Line Argument

```

public class SumOfN{
    // Command Line Argument
    public static void main(String [] args){
        int sum=0;
        for (int i=0;i<args.length;i++){
            sum+=Integer.parseInt(args[i]);
        }
        System.out.print("\nThe sum is : "+sum+"\n");
    }
}

```

```
PS D:\ANDC\Sem-2\Java\Lab0> javac SumOfN.java
PS D:\ANDC\Sem-2\Java\Lab0> java SumOfN 4 8 16

The sum is : 28
```

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//Practise Set 4

```
public class Factorial {

    public static void main(String [] args){

        int num=Integer.parseInt(args[0]);

        int fact=1;

        for(int i=1;i<=num;i++){

            fact*=i;

        }

        System.out.println("Factorial of "+args[0]+" : "+fact);

    }

}
```

```
PS D:\ANDC\Sem-2\Java\Lab0> javac .\Factorial.java
PS D:\ANDC\Sem-2\Java\Lab0> java Factorial 6
Factorial of 6 : 720
```

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// Practise Set 5

```
public class Pattern {

    public static void main(String [] args){

        int x=1;

        for(int i=0;i<4;i++){

            for(int j=0;j<i+1;j++){

                System.out.print(x+" ");

                x++;

            }

            System.out.println();

        }

    }

}
```

```
PS D:\ANDC\Sem-2\Java\Lab0> javac .\Pattern.java
```

```
PS D:\ANDC\Sem-2\Java\Lab0> java Pattern
```

```
1
```

```
2 3
```

```
4 5 6
```

```
7 8 9 10
```