

Experiment No. __6__

Date of performance: 12/10/22

Date of Submission: 12/10/22

SAP Id: 500091584

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1. Title: Package

2. Objective: Package

3. List of lab activities:

- 1) Write a Java program to implement the concept of importing classes from user defined package and created packages.
- 2) Write a program to make a package Balance. This has an Account class with Display_Balance method. Import Balance package in another program to access Display_Balance method of Account class.

4. Algorithm/Flowchart and Code followed by Output screenshot (2 samples for each program):

```
package My_Cal_Pkg;
```

```
public class Calculator {  
    public int addition(int x, int y) {  
        return x+y;  
    }  
}
```

```
public int Subtraction(int x, int y) {  
    return x-y;  
}  
  
public int Multiplication(int x, int y) {  
    return x*y;  
}  
  
public int Division(int x, int y) {  
    return x/y;  
}  
}  
  
package My_Cal_Pkg;  
import java.util.*;  
  
public class Main_Calculator {  
    public static void main(String args[]) {  
  
        Scanner sc= new Scanner(System.in);  
        Calculator cal=new Calculator();  
  
        System.out.print("Enter first number: ");  
        int a=sc.nextInt();  
        System.out.print("Enter first number: ");  
        int b=sc.nextInt();  
  
        int sum=cal.addition(a, b);
```

```

        System.out.println("Sum of numbers is "+sum);

        int sub=cal.Subtraction(a, b);

        System.out.println("Subtraction of numbers is "+sub);

        int mul=cal.Multiplication(a, b);

        System.out.println("Multilpication of numbers is "+mul);

        int div=cal.Division(a, b);

        System.out.println("Division of numbers is "+div);

        sc.close();
    }
}

```

```

<terminated> Main_Calculator [Java Application] C:\Program Files\Java\jdk-18.0.1.1\bin\javaw.exe (31-Oct-2022, 10:48:58 am - 10:49:04 am) [pid: 7100]
Enter first number: 10
Enter first number: 5
Sum of numbers is 15
Subtraction of numbers is 5
Multilpication of numbers is 50
Division of numbers is 2

```

5. Brief notes about all the concepts related to the lab experiment

A java package is a group of similar types of classes, interfaces and sub-packages.

There are three ways to access the package from outside the package.

1. `import package.*;`

2. `import package.classname;`
3. fully qualified name.