**package** com.ecstatic.jaydeep;

**public** **class** JaydeepClass1 {

**public** **void** demo1() {

System.***out***.println("I am in jaydeep class and jaydeep package");

}

}

**package** com.ecstatic.karan;

**public** **class** KaranClass1 {

**public** **void** demo2() {

System.***out***.println("I am in karan class and karan package");

}

}

**package** com.ecstatic.prashant;

**import** com.ecstatic.jaydeep.\*; // as jaydeepClass1 is present in com.ecstatic.jaydeep package so we imported it

**import** com.ecstatic.karan.\*; // as KaranClass1 is present in com.ecstatic.karan package so we imported it

**public** **class** JaydeepKaranTestClass {

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

JaydeepClass1 jaydeepClass1 = **new** JaydeepClass1(); // object of jaydeepClass1 is created

KaranClass1 karanClass1 = **new** KaranClass1(); // object of KaranClass1 is created

jaydeepClass1.demo1();

karanClass1.demo2();

}

}

**import** java.util.\*;

**public** **class** MultipleMethods {

**public** **static** **int** demoSwich(**char** c) {

**int** a=100;

**int** b=50;

**int** d=0;

**switch**(c) {

**case** '+' : d= a+b;

System.***out***.println("addition is :"+d);

**break**;

**case** '-' : d= a+b;

System.***out***.println("subtraction is :"+d);

**break**;

**default**:

System.***out***.println("wrong input");

}

**return** d;

}

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

// **TODO** Auto-generated method stub

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.println("enter character");

//takes a string as input

String str=scanner.next();

//reads a character from string at the specified index value

**char** ch =str.charAt(0);

**int** e = *demoSwich*(ch);

System.***out***.println(e);

}

}

**import** java.util.Scanner;

//import java.util.\*;

**public** **class** MultipleMethodsPart2 {

**public** **static** **void** SwitchDemo(**char** c) {

**int** a=100;

**int** b=50;

**int** d;

**switch**(c) {

**case** '+' : d= a+b;

System.***out***.println("The addition is : "+d);

**break**;

**case** '-' : d= a-b;

System.***out***.println("The subtraction is : "+d);

**break**;

**case** '\*' : d= a\*b;

System.***out***.println("The multiplication is : "+d);

**break**;

**case** '/' : d= a/b;

System.***out***.println("The division is : "+d);

**break**;

**default**:

System.***out***.println("wrong input ");

}

}

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

// **TODO** Auto-generated method stub

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.println("Enter operator for mathematical operation");

String str = scanner.next(); //+ is saved at 0 location od variable str

**char** ch = str.charAt(0);//+ is saved at char ch because it is at 0 location of str

*SwitchDemo*(ch);

/\*

String str = scanner.next(); k [0]

[k]

char ch = str.charAt(0) means char ch ='k' ;

\*/

}

}

**import** java.util.Scanner;

**public** **class** MultipleMethodPart3 {

**public** **static** **void** SwitchDemo(**int** a, **int** b,**char** c) {

**int** d;

**switch**(c) {

**case** '+' : d= a+b;

System.***out***.println("The addition is : "+d);

**break**;

**case** '-' : d= a-b;

System.***out***.println("The subtraction is : "+d);

**break**;

**case** '\*' : d= a\*b;

System.***out***.println("The multiplication is : "+d);

**break**;

**case** '/' : d= a/b;

System.***out***.println("The division is : "+d);

**break**;

**default**:

System.***out***.println("wrong input ");

}

}

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

// **TODO** Auto-generated method stub

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.println("Enter two numbers");

**int** x = scanner.nextInt();//100

**int** y = scanner.nextInt();//50

System.***out***.println("Enter operator for mathematical operation");

String str = scanner.next(); //+ is saved at 0 location od variable str

**char** ch = str.charAt(0);//+ is saved at char ch because it is at 0 location of str

*SwitchDemo*(x,y,ch);//SwitchDemo(100,50,'+');

}

}