**HELLO WORLD**

package day1;

public class Helloworld {

void getmessage()

{System.*out*.print("HELLO WORLD");

}

public static void main(String[] args) {

// TODO Auto

Helloworld HW = new Helloworld() ;

HW.getmessage();

}

}

**PROGRAM 1**

**package** day2;

**public** **class** temperature {

**void** convertToFarenheit( **double** c)

{

**double** Farenheit\_value;

Farenheit\_value = ((c\*9)/5) + 32;

System.***out***.println("farenheit value is ");

System.***out***.println(Farenheit\_value);

}

**void** convertToCelsius (**double** f)

{

**double** Celsius\_value;

Celsius\_value = ((f-32)\*5)/9;

System.***out***.println("celsius value is ");

System.***out***.println(Celsius\_value);

}

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

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

temperature temp = **new** temperature();

temp.convertToFarenheit(30);

temp.convertToCelsius(112);

}}

**PROGRAM 2**

**package** day2;

**public** **class** markvalidator {

**void** ispass( **int** mark){

System.***out***.println("The given marks are ");

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

**if** ( mark >= 40) {

System.***out***.println("Student is pass");

}

**else**

{

System.***out***.println("Student is fail");

}}

**void** markGrade(**int** mark) {

System.***out***.println("The given marks are ");

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

**if**(mark >= 90) {

System.***out***.println("Student got grade A");

}

**else** **if** (mark >= 75 && mark <90 )

{

System.***out***.println("Student got grade B");

}

**else** **if** (mark >= 60 && mark < 75)

{

System.***out***.println("Student got grade C");

}

**else**

{

System.***out***.println("Student got grade D");

}

}

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

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

markvalidator MV = **new** markvalidator();

MV.ispass(45);

MV.markGrade(45);

MV.ispass(20);

MV.markGrade(20);

}

}

**PROGRAM 3**

**package** day3;

**public** **class** switchcase {

**void** ispass( **int** mark){

System.***out***.println("The given marks are ");

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

**if** ( mark >= 40) {

System.***out***.println("Student is pass");}

**else**

{

System.***out***.println("Student is fail");}

}

**void** markGrade(**int** mark) {

System.***out***.println("The given marks are ");

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

**int** a;

**if**(mark >= 90) {

a=0;

}

**else** **if** (mark >= 75 && mark <90 ) {

a=1;

}

**else** **if** (mark >= 60 && mark < 75) {

a=2;

}

**else** {

a=3;

}

**switch** (a) {

**case** 0:

{

System.***out***.println("Student got grade A");

}

**case** 1:

{

System.***out***.println("Student got grade B");

}

**case** 2:

{

System.***out***.println("Student got grade C");

}

**case** 3:

{

System.***out***.println("Student got grade D");

}

}

}

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

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

switchcase sc =**new** switchcase();

sc.ispass(45);

sc.markGrade(45);

}

}

**PROGRAM 4**

**package** day3;

**public** **class** sumofnumbers {

**void** sumOfEvenNumbers(**int** start , **int** end)

{ **int** sum = 0 ;

**for** (**int** i = start;i<= end; i ++)

{

**if** (i%2==0) {

sum = sum + i;}

}

System.***out***.println("Sum of even numbers is ");

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

}

**void** sumOfOddNumbers(**int** start , **int** end)

{ **int** sum = 0 ;

**for** (**int** i = start;i<= end; i ++)

{

**if** (i%2!=0) {

sum = sum + i;

}

}

System.***out***.println("Sum of odd numbers is ");

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

}

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

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

sumofnumbers sumnos =**new** sumofnumbers();

sumnos.sumOfEvenNumbers(1, 10);

sumnos.sumOfOddNumbers(1, 10);

}

}

**PROGRAM 5**

**package** day3;

**public** **class** factorial {

**void** calculateFactorial(**int** number) {

**int** i;

**int** fact=1;

**for**(i=1; i<=number; i++) {

fact = fact\*i;

}

System.***out***.println(" factorial is :");

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

}

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

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

factorial f =**new** factorial();

f.calculateFactorial(5);

}

}