**Q.1 WAP to check number is even or odd?**

**package** CDACASSIGNMNT;

**import** java.util.Scanner;

**public** **class** Evenodd {

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

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

System.***out***.println("enter any number");

**int** n = sc.nextInt();

**if**(n%2==0)

{

System.***out***.println("entered number is EVEN");

}

**else**

{

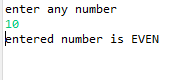
System.***out***.println("entered number is ODD");

}

}

}

**OUTPUT**



Q.2 WAP A school has following rules for grading system…A)blow 25..F B)25 to 45..E, C)45TO 50…C, D)50 TO 60…C, E)60 TO 80..B, F) Above 80..A

**import** java.util.Scanner;

**public** **class** Grade {

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

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

**int** marks= sc.nextInt();

**if**(marks<25)

{

System.***out***.println("Grade is F");

}

**else** **if** (marks>=25 && marks<=45)

{

System.***out***.println("Grade is E");

}

**else** **if**(marks>45 && marks<=50)

{

System.***out***.println("Grade is D");

}

**else** **if**(marks>50 && marks<=60)

{

System.***out***.println("Grade is C");

}

**else** **if**(marks>60 && marks<=80)

{

System.***out***.println("Grade is B");

}

**else**

{

System.***out***.println("Grade is A");

}

OUTPUT:

****

**Q.3 WAP to swap two numbers without using third variable**

**package** CDACASSIGNMNT;

// swap two numbers without third variable..

**import** java.util.Scanner;

**public** **class** SWAPNUM {

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

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

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

**int** a= sc.nextInt();

**int** b= sc.nextInt();

System.***out***.println("after swapping of numbers”);

a= a+b;

b=a-b;

a=a-b;

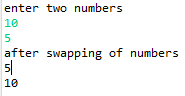
System.***out***.println(a);

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

}

}

**OUTPUT:**



Q.4 WAP to swap two numbers

**import** java.util.Scanner;

// swap two numbers

**public** **class** Swapnumbers {

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

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

System.***out***.println("enter two values");

**int** a= sc.nextInt();

**int** b = sc.nextInt();

System.***out***.println("the number before swapping is”+ a);

System.***out***.print(b);

System.***out***.println("after swapping :\n");

**int** temp = b;

b=a;

a=temp;

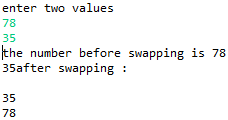
System.***out***.println(a);

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

}

}

**OUTPUT:**



Q.5 WAP to ask name and salary of an employee and print on console .

**package** CDACASSIGNMNT;

**import** java.util.Scanner;

//wap to ask name age and salary of an employee and print on console

**public** **class** Printnumbers {

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

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

System.***out***.println("enter age of employee");

**int** age = sc.nextInt();

System.***out***.println("enter name of employee");

String name = sc.next();

System.***out***.println("enter salary of employee");

**int** salary = sc.nextInt();

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

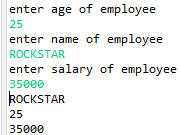
System.***out***.println(age);

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

}

}

**OUTPUT:**



Q.6 WAP to find greater number among two variable.

**package** CDACASSIGNMNT;

// grater number among two variables

**import** java.util.Scanner;

**public** **class** Greaternumber {

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

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

System.***out***.println("enter two numbers:");

**int** a= sc.nextInt();

**int** b = sc.nextInt();

**if**(a>b)

{

System.***out***.println(" the maximum number is :"+a);

}

**else**

{

System.***out***.println(" the maximum number is :"+b);

}

}

}

OUTPUT:



Q.7 wap to ask product name and price of product from user and calculate discount i.e if price > 2000 then discount is 10 percent of price   
else discount is 7 % of price

**package** CDACASSIGNMNT;

**import** java.util.Scanner;

**public** **class** Discountedprice {

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

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

System.***out***.println("enter the name of item \n");

String name = sc.next();

System.***out***.println("enter the price of item \n");

**int** markedprice= sc.nextInt();

**int** s;

**int** amount;

**if**(markedprice>2000)

{

System.***out***.println("The discount will be 10% ");

s=100-10;

amount= (s\*markedprice)/100;

System.***out***.println("price after discount of 10% is :");

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

}

**else**

{

System.***out***.println("discount will be 7%");

s=100-7;

amount=(s\*markedprice)/100;

System.***out***.println("price after discount is :");

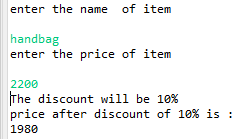
System.***out***.println(amount);

}

}

}

**OUTPUT:7**

****

Q  8 wap to check greater number among three numbers

**package** CDACASSIGNMNT;

// greater number among three variables..

**public** **class** Greaternum {

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

**int** a= 10;

**int** b= 30;

**int** c= 55;

**int** max;

max= (a>b)? (a>c ? a: c) : (b>c ? b : c );

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

}

}

**OUTPUT:**



Q9 wap to demonstrate ternary operator .define a variable marks  .ask its value from user and using ternary operator check if marks > 40 store "Pass" in result varible else store "Fail"

**import** java.util.Scanner;

**public** **class** Ternaryone {

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

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

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

**int** marks = sc.nextInt();

String check;

check=(marks>40)? "pass" : "fail ";

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

}

}

**OUTPUT:**



Q 10 using ternary check if number entered by user is positive or negative .  
In case number is positive store "Positive number" else store negative number to Result variable

**package** CDACASSIGNMNT;

**import** java.util.Scanner;

**public** **class** Ternarytwo {

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

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

**int** num = sc.nextInt();

String check;

check = (num>=0)? "poitive" :"negative";

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

}

}

**OUTPUT:**

