# USER-DEFINED FUNCTIONS

1. Write a java program to add two numbers.

import java.util.Scanner;

public class header{

    public static int add(int num1, int num2){

    int result=num1+num2;

    return result;

    }

    public static void main(String args[]){

        Scanner sc=new Scanner(System.in);

        System.out.println("Enter Number-1:");

        int num1=sc.nextInt();

        System.out.println("Enter Number-2:");

        int num2=sc.nextInt();

        int ans=add(num1,num2);

        System.out.println("The sum of the two numbers is "+ans);

    }

}

1. Write a java program to find the Absolute value of a number.

import java.util.Scanner;

public class header{

    public static int absolute(int num){

        if(num<0) {

        int result=num-num-num;

         return result;

        }

        else{

            return num;

        }

    }

    public static void main(String args[]){

        Scanner sc=new Scanner(System.in);

        System.out.println("Enter Number:");

        int num=sc.nextInt();

        int result = absolute(num);

        System.out.println("The absolute value of the given number is " +result);

    }

}

1. Write a java program to check whether an Employee is eligible for bonus or not.

CONDITIONS :

1. Attendance should be greater than or equal to 25.
2. Overtime should be greater than or equal to 50.

import java.util.Scanner;

public class header{

    public static int bonus1(int salary, int atd, int ot){

        int bonus=1000;

        if(atd>=25 && ot>=50){

            int res2= salary;

            int cs=salary+bonus;

            int res3= cs;

            return res3;

        }

        else{

          int res2=salary;

          return res2;

        }

    }

        public static String bonus2( int atd, int ot){

            if(atd>=25 && ot>=50){

                String res="You are eligible for bonus";

                return res;

            }

            else{

                String res="You are not eligible for bonus";

                return res;

            }

        }

    public static void main(String args[]){

        Scanner sc=new Scanner(System.in);

         System.out.print("Enter Your salary:");

        int salary=sc.nextInt();

        System.out.print("Enter Attendance:");

        int atd=sc.nextInt();

        System.out.print("Enter OverTime:");

        int ot=sc.nextInt();

        String res=bonus2( atd,ot);

        System.out.println(res);

        System.out.println("Your previous salary:"+salary);

        int result=bonus1(salary, atd,ot);

        System.out.println("Your current salary:"+result);

    }

}