1. Grade calculator:

import java.util.Scanner;

public class StudentGradeCalculator

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

System.out.print("Enter the marks in Python: ");

int a=sc.nextInt();

System.out.print("Enter the marks in C Programming: ");

int b=sc.nextInt();

System.out.print("Enter the marks in Mathematics: ");

int c=sc.nextInt();

System.out.print("Enter the marks in Physics: ");

int d=sc.nextInt();

if(a<0 || b<0 || c<0 || d<0)

{

System.out.println("Invalid input");

}

else if(a>100 || b>100 || c>100 || d>100)

{

System.out.println("Invalid input");

}

else

{

int total = a+b+c+d;

double aggregate = total / 4.0;

System.out.println("Total = " + total);

System.out.println("Aggregate = " + aggregate);

if (aggregate > 75)

{

System.out.println("DISTINCTION");

}

else if (aggregate >= 60 && aggregate < 75)

{

System.out.println("First Division");

}

else if (aggregate >= 50 && aggregate < 60)

{

System.out.println("Second Division");

}

else if (aggregate >= 40 && aggregate < 50)

{

System.out.println("Third Division");

}

else

{

System.out.println("Fail");

}

}

sc.close();

}

}

1. Tax calculator:

public class TaxCalculator

{

public static void main(String args[])

{

int income;

double tax;

Scanner sc=new Scanner(System.in);

System.out.print("Enter the income:");

income=sc.nextInt();

if(income<=0)

{

System.out.println("Invalid input");

}

else if(income<=150000)

{

System.out.println("No tax");

}

else if(income>=150001 && income<=300000)

{

tax=income\*0.1;

System.out.println("Tax = "+tax);

}

else if(income>=300001 && income<=500000)

{

tax=income\*0.2;

System.out.println("Tax = "+tax);

}

else

{

tax=income\*0.3;

System.out.println("Tax = "+tax);

       }

    }

}