**1.**

**int** number=-40;

**if**(number > 0)

{

System.***out***.println(number+" is a positive number");

}

**else** **if**(number < 0)

{

System.***out***.println(number+" is a negative number");

}

**else**

{

System.***out***.println(number+" is neither positive nor negative");

}

}

}

**2.**

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

System.***out***.print("MATH: ");

**int** num1 = in.nextInt();

System.***out***.print("ENGLISH: ");

**int** num2 = in.nextInt();

System.***out***.print("SCIENCE: ");

**int** num3 = in.nextInt();

System.***out***.println("Average of Grades is: " +

(num1 + num2 + num3) / 3);

}

}

3.

double TotalSales;

double CommissionRate ;

double Commission ;

int NoOfItems ;

public static void main(String[] args) {

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

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

trys s1 = new trys ();

s1.CommissionRate=0.0;

System.***out***.println("Your Total Computer Sales: ");

s1.TotalSales=Read.nextDouble();

System.***out***.println("Enter Number of System Units Sold: ");

s1.NoOfItems=Read.nextInt();

if (s1.TotalSales >= 500 || s1.NoOfItems>=5 )

s1.CommissionRate=0.30;

if (s1.TotalSales>=1000 || s1.NoOfItems>=10)

s1.CommissionRate=0.10;

s1.Commission=s1.TotalSales\*s1.CommissionRate;

System.***out***.println("Total commission is: "+s1.Commission);

}

4.

double MATH, SCIENCE, ENGLISH, PE;

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

System.***out***.print("MATH GRADE: ");

MATH = in.nextDouble();

System.***out***.print("SCIENCE GRADE: ");

SCIENCE = in.nextDouble();

System.***out***.print("ENGLISH GRADE: ");

ENGLISH = in.nextDouble();

System.***out***.print("P.E GRADE: ");

PE = in.nextDouble();

System.***out***.println("Average is:"+(MATH + SCIENCE + ENGLISH + PE)/4);

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

System.***out***.println("The grade Equivalent is: ");

double percentage = scan.nextDouble();

if(percentage >= 90){

System.***out***.println("Excellent: Grade A");

}else if(percentage < 90 && percentage >= 80){

System.***out***.println("Very Good: Grade B");

}else if(percentage < 80 && percentage >= 70){

System.***out***.println("Good: Grade C");

}else if(percentage < 70 && percentage >= 60){

System.***out***.println("Satisfactory: Grade D");

}else if(percentage < 60 && percentage >= 50){

System.***out***.println("Work Hard: Grade E");

}else if(percentage < 50 && percentage >= 40){

System.***out***.println("Just Passed: Grade F");

}else {

System.***out***.println("Failed!");

}

}

}