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*Course- B.Tech (second year)*

*Branch -Cs*

*Subject-Java Programming Assignment-2*

Q1. Write a program in Java to find sum of two numbers.

Ans:public class Main

{

public static void main(String[] args) {

int num1=20,num2=30,sum;

sum=num1+num2;

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

}

}

Q2. Write a program in Java to find area and circumference of circle.

Ans: public class Main

{

public static void main(String[] args){

double r=7;

double area=Math.PI\*(r\*r);

System.out.println("area="+area);

double circum=2\*Math.PI\*r;

System.out.println("circum="+circum);

}

}

Q3. Write a program in Java to find the simple interest.

Ans: import java.util.Scanner;

class Main

{

public static void main (String args[]){

int a,b,c,si;

Scanner sc=new Scanner (System.in);

System.out.println("Enter value a,b.c");

a= sc.nextInt();

b= sc.nextInt();

c= sc.nextInt();

si=(a\*b\*c) / 1000;

System.out.println("simple intrest="+si);

}

}

Q4. Write a program in Java to convert temperature from degree centigrade to Fahrenheit.

Ans:

import java.util.Scanner;

class Main

{

public static void main (String[] args)

{

int celsius, fahrenheit;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the temperture in celsius");

celsius=sc.nextInt();

fahrenheit = (celsius \* 9 / 5) + 32;

System.out.print(celsius+" Celsius = "+fahrenheit+" Fahrenheit");

}

}

Q5. Write a program in Java to calculate sum of 5 subjects and find percentage.

Ans:

import java.util.Scanner;

class Main

{

public static void main(String args[])

{

int eng, phy, chem, math, comp;

double total, average, percentage;

Scanner sc=new Scanner(System.in);

System.out.println("Enter marks of five subjects:");

System.out.print("Enter marks of English subjects:");

eng=sc.nextInt();

System.out.print("Enter marks of physics subjects:");

phy=sc.nextInt();

System.out.print("Enter marks of chemistry subjects:");

chem=sc.nextInt();

System.out.print("Enter marks of maths subjects:");

math=sc.nextInt();

System.out.print("Enter marks of computers subjects:");

comp=sc.nextInt();

total = eng + phy + chem + math + comp;

average = (total / 5);

percentage = (total / 500) \* 100;

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

System.out.println("Average marks = "+average);

System.out.println("Percentage = "+percentage);

}

}

Q6. Write a program in Java to show swap of two no’s without using third variable.

Ans:

**class Main {**

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

**System.out.println("Before swapping");**

**int x = 10;**

**int y = 20;**

**System.out.println("value of x:" + x);**

**System.out.println("value of y:" + y);**

**System.out.println("After swapping");**

**x = x + y;**

**y = x - y;**

**x = x - y;**

**System.out.println("value of x:" + x);**

**System.out.println("value of y:" + y);**

**}**

**}**