1. CALCULATE THE SIMPLE INTEREST

#include <stdio.h>

#include <math.h>

int main()

{

float P = 1000.0, ROI = 8.5, T = 3.0,si;

si = P\*ROI\*T/100;

printf("The Simple Interest is %f", si);

return 0;

}

1. AREA OF TRIANGLE

#include <stdio.h>

#include <math.h>

int main()

{

float base, height, area;

printf("Enter base = ");

scanf("%f", & base);

printf("Enter height = ");

scanf("%f", & height);

area = 0.5\*base\*height;

printf("The Area of the Triangle = %f", area);

return 0;

}

1. AREA OF SQUARE

#include <stdio.h>

#include <math.h>

int main()

{

float side, area;

printf("Enter side = ");

scanf("%f", & side);

area = side\*side;

printf("The Area of the Square = %f", area);

return 0;

}

1. AREA OF RECTANGLE

#include <stdio.h>

#include <math.h>

int main()

{

float length, breadth, area;

printf("Enter length = ");

scanf("%f", & length);

printf("Enter breadth = ");

scanf("%f", & breadth);

area = length\*breadth;

printf("The Area of the Rectangle = %f", area);

return 0;

}

1. AREA OF CIRCLE

#include <stdio.h>

#include <math.h>

int main()

{

float radius, area;

printf("Enter Radius = ");

scanf("%f", & radius);

area = 3.14159\*radius\*radius;

printf("The Area of the Circle = %f", area);

return 0;

}

1. CIRCUMFERENCE OF A CIRCLE

#include <stdio.h>

#include <math.h>

int main()

{

float radius, circumference;

printf("Enter Radius = ");

scanf("%f", & radius);

circumference = 2\*3.14159\*radius;

printf("The Circumference of a Circle = %f", circumference);

return 0;

}

1. CALCULATE THE EMI

#include <stdio.h>

#include <stdlib.h>

#include <math.h>

int main()

{

float principalvalue, roi, timet, emi;

printf("Enter Principal Value = ");

scanf("%f", & principalvalue);

printf("Enter Rate of Interest = ");

scanf("%f", & roi);

printf("Enter Time(in years) = ");

scanf("%f", & timet);

emi = principalvalue\*roi\*pow(1+roi, timet)/(pow(1+roi, timet)- 1);

printf("EMI = %f", emi);

return 0;

}

1. DEMONSTRATION OF IF STATEMENT

#include <stdio.h>

#include <math.h>

#include <stdlib.h>

int main()

{

int num;

printf("Enter a number less than 10 : ");

scanf("%d", &num);

if(num<=10)

printf("Hey you got 10 points.");

return 0;

}

1. IF & ELSE STATEMENT

#include <stdio.h>

#include <math.h>

#include <stdlib.h>

int main()

{

float bs,hra,da,grossSalary;

printf("Enter the basic salary of the employee :");

scanf("%f",&bs);

if(bs<1500)

{

printf("The HRA is %f \n", hra= 0.1\*bs);

printf("The DA is %f \n", da= 0.9\*bs);

}

else

{

printf("The HRA is %f \n", hra= 500\*bs);

printf("The DA is %f \n", da= 0.98\*bs);

}

grossSalary = bs+da+hra;

printf("The gross salary is = %f", grossSalary);

return 0;

}

1. IF,ELSE & ELSE\_IF STATEMENTS

#include <stdio.h>

#include <math.h>

#include <stdlib.h>

int main()

{

float m1,m2,m3,m4,m5, perc;

printf("Enter the marks obtained in subject 1:");

scanf("%f", &m1);

printf("Enter the marks obtained in subject 2:");

scanf("%f", &m2);

printf("Enter the marks obtained in subject 3:");

scanf("%f", &m3);

printf("Enter the marks obtained in subject 4:");

scanf("%f", &m4);

printf("Enter the marks obtained in subject 5:");

scanf("%f", &m5);

perc = (m1+m2+m3+m4+m5)\*100/500;

if(perc>=60)

{

printf("Promoted to First Division");

}

else if(perc>50)

{

printf("Promoted to Second Division");

}

else if(perc>40)

{

printf("Promoted to Third Divisionn");

}

else

{

printf("Failed");

}

return 0;

}

1. PROGRAM TO ACCEPT THREE NUMBERS FROM THE USER AND FIND THE LARGEST ONE

#include <stdio.h>

#include <math.h>

#include <stdlib.h>

int main()

{

float num1, num2, num3;

printf("Enter the value of num1:");

scanf("%f", &num1);

printf("Enter the value of num2:");

scanf("%f", &num2);

printf("Enter the value of num3:");

scanf("%f", &num3);

if(num1>num2 && num1>num3)

{

printf("The largest number is %f.", num1);

}

else if(num2>num1 && num2>num3)

{

printf("The largest number is %f.", num2);

}

else

{

printf("The largest number is %f ", num3);

}

return 0;

}

1. PROGRAM TO ACCEPT THREE NUMBERS FROM THE USER AND FIND THE LARGEST ONE USING TERNARY OPERATOR

#include <stdio.h>

int main()

{

int x, y,z, lnum;

printf("Enter value for x: ");

scanf("%d", &x);

printf("Enter value of y: ");

scanf("%d", &y);

printf("Enter the value of z: ");

scanf("%d", &z);

lnum = x>y?(x>z?x:z):(y>z?y:z);

printf("The largest number is %d", lnum);

return 0;

}