**OOC\_Lab1 - IT21266478**

**Exercise 1**



#include<stdio.h>

int main()

{

float m1,m2,m3,avg;

printf("Enter Module 1 Marks = ");

scanf("%f",&m1);

printf("Enter Module 2 Marks = ");

scanf("%f",&m2);

printf("Enter Module 3 Marks = ");

scanf("%f",&m3);

avg=(m1+m2+m3)/3.0;

printf("Average is = %.2f",avg);

return 0;

}



#include<stdio.h>

int main()

{

float m1,m2,m3,avg;

printf("Enter Module 1 Marks = ");

scanf("%f",&m1);

printf("Enter Module 2 Marks = ");

scanf("%f",&m2);

printf("Enter Module 3 Marks = ");

scanf("%f",&m3);

avg=(m1+m2+m3)/3.0;

printf("Average is = %.2f\n",avg);

if(avg>60)

{

printf("selected Software Engineering");

}

else

{

printf("not selected Software Engineering");

}

return 0;

}

1. #include<stdio.h>

int main()

{

float m1,m2,m3,avg;

int count=1;

while(count<=3)

{

printf("Enter Module 1 Marks = ");

scanf("%f",&m1);

printf("Enter Module 2 Marks = ");

scanf("%f",&m2);

printf("Enter Module 3 Marks = ");

scanf("%f",&m3);

count++;

avg=(m1+m2+m3)/3.0;

printf("Average is = %.2f\n",avg);

if(avg>60)

{

printf("selected Software Engineering\n\n");

}

else

{

printf("not selected Software Engineering\n\n");

}

}

return 0;

}

**Exercise 2**

#include<stdio.h>

int square(int x);

int cube(int x);

int main()

{

int x;

printf("x\t Square\t cube\n");

for(x=1;x<=10;x++)

{

printf("%d\t %d\t %d\n",x,square(x),cube(x));

}

}

int square(int x)

{

return x\*x;

}

int cube (int x)

{

return x\*x\*x;

}

**Exercise 3**



#include<stdio.h>

float area(float length,float width);

int main()

{

float length,width,Area;

printf("Enter Length = ");

scanf("%f",&length);

printf("Enter Width = ");

scanf("%f",&width);

Area=area(length,width);

}

float area(float length,float width)

{

return length\*width;

}



#include<stdio.h>

float area(float length,float width);

int main()

{

float Hlength,Hwidth,Ylength,Ywidth,HArea,YArea,GArea;

printf("Enter Length of Yard = ");

scanf("%f",&Ylength);

printf("Enter Width of Yard = ");

scanf("%f",&Ywidth);

printf("Enter Length of House = ");

scanf("%f",&Hlength);

printf("Enter Width of House = ");

scanf("%f",&Hwidth);

YArea=area(Ylength,Ywidth);

HArea=area(Hlength,Hwidth);

GArea=YArea-HArea;

printf("Lawn area is = %.2f",GArea);

return 0;

}

float area(float length,float width)

{

return length\*width;

}

**Exercise 4**

1. #include<stdio.h>

float findCA\_1(int marks1);

float findCA\_2(int marks2);

int main()

{

int marks1,marks2;

float CA\_1,CA\_2;

printf("Enter Assignment 1 Marks = ");

scanf("%d",&marks1);

printf("Enter Assignment 2 Marks = ");

scanf("%d",&marks2);

CA\_1=findCA\_1(marks1);

CA\_2=findCA\_2(marks2);

printf("%.2f\n",CA\_1);

printf("%.2f\n",CA\_2);

return 0;

}

float findCA\_1(int marks1)

{

return marks1\*(0.2);

}

float findCA\_2(int marks2)

{

return marks2\*(0.3);

}

1. #include<stdio.h>

float findCA\_1(int marks1);

float findCA\_2(int marks2);

int main()

{

int marks1,marks2,i;

float CA\_1,CA\_2;

for(i=1;i<=5;i++)

{

printf("Enter Assignment 1 Marks = ");

scanf("%d",&marks1);

printf("Enter Assignment 2 Marks = ");

scanf("%d",&marks2);

CA\_1=findCA\_1(marks1);

CA\_2=findCA\_2(marks2);

printf("student-%d\t Marks1-%d\t Marks2-%d\t CA\_1-%.2f\t %.2f\n\n",i,marks1,marks2,CA\_1,CA\_2);

}

return 0;

}

float findCA\_1(int marks1)

{

return marks1\*(0.2);

}

float findCA\_2(int marks2)

{

return marks2\*(0.3);

}