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Matara batch june intake

Semester 2 week 1 lab1

Ex1

#include <stdio.h>

int main(void)

{

int m1,m2,m3;

float total = 0,average = 0;

int i;

for(i=1;i<=3;i++)

{

printf("\nEnter module 1 marks:");

scanf("%d",&m1);

printf("Enter module 2 marks:");

scanf("%d",&m2);

printf("Enter module 3 marks:");

scanf("%d",&m3);

total = mark1 + mark2 + mark3;

average = total/3;

printf("\nAverage = %.2f",average);

printf("\n");

}

for(i=1;i<=3;i++)

{

printf("\nStudent %d",i);

if(average >=60)

{

printf("\nYou are selected to SE");

}

else

{

printf("\nNot selected");

}

}

}

Ex2

#include<stdio.h>

int Square(int x);

int Cube(int x);

int main(void)

{

int x=1;

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

{

printf("\nSquare : %d",Square( x));

printf("\nCube : %d",Cube( x));

}

return 0;

}

int Square(int x)

{

return x\*x;

}

int Cube(int x)

{

return x\*x\*x;

}

Ex3.1

#include <stdio.h>

float area(float leangth, float width);

int main()

{

float answer,leangth,width;

printf("Please enter the leangth:");

scanf("%f",&leangth);

printf("Please enter the width:");

scanf("%f",&width);

answer = area(leangth, width);

printf("Area = %.2f",answer);

}

float area(float leangth, float width)

{

float answer = leangth \* width ;

return answer;

return0;

}

Ex3.2

#include <stdio.h>

float area1(float length1, float width1);

float area2(float length2, float width2);

int main()

{

float answer1,length1,width1;

float answer2,length2,width2;

float fullArea;

printf("Please enter the length 1:");

scanf("%f",&length1);

printf("Please enter the width 1:");

scanf("%f",&width1);

printf("\nPlease enter the leangth 2:");

scanf("%f",&length2);

printf("Please enter the width 2:");

scanf("%f",&width2);

answer1 = area1(length1, width1);

answer2 = area2(length2, width2);

fullArea = answer1 - answer2;

printf("\n\n Area = %.2f",fullArea);

}

float area1(float length1, float width1)

{

float answer1 = length1 \* width1 ;

return answer1;

}

float area2(float length2, float width2)

{

float answer2 = length2 \* width2 ;

return answer2;

}

EX4;

#include<stdio.h>

float findCA\_1(int m1);

float findCA\_2(int m2);

int main(void)

{

int mark1,mark2;

float CA\_m1,CA\_m2;

int i;

for(i=1;i<=3;i++)

{

printf("\nEnter student %d m1 :",i);

scanf("%d",&m1);

printf("Enter student %d m2 :",i);

scanf("%d",&m2);

//function calling

CA\_marks1=findCA\_1( m1);

CA\_marks2=findCA\_2( m2);

}

printf("\n\nStudent\tMark1\t Marks2\tCA1\tCA2");

for(i=1;i<=3;i++)

{

printf("\n%d\t%d\t %d\t%.2f\t%.2f",i,m1,m2,CA\_m1,CA\_m2);

}

return 0;

}

float findCA\_1(int m1)

{

float CA\_m1;

CA\_m1 = m1\*20.00/100.00;

return CA\_marks1;

}

float findCA\_2(int m2)

{

float CA\_m2;

CA\_mark2 = mark2\*30.00/100.00;

return CA\_marks2;

}