Quess. WAP to find roots of a quadratic equation (for D>=0 case).

Ans.

#include<iostream>

#include<cmath>

using namespace std;

int main(){

int a,b,c;

cout<<"enter the coeff of x^2 and x and also constant:"<<endl;

cin>>a>>b>>c;

int d=(b\*b)-(4\*a\*c);

float x1=(-b+sqrt(d))/(2\*a);

float x2=(-b-sqrt(d))/(2\*a);

cout<<"roots of the eqtn are: "<<x1<<" and "<<x2;

}

Quess. WAP to find wether a number is even or odd using ternary operator

Ans.

#include<iostream>

using namespace std;

int main(){

int a;

cout<<"enter the number: ";

cin>>a;

(a%2==0)? cout<<"numder entered is even":cout<<"numder entered is odd";

}

Quess. Fibonacci Series using loop

Ans.

#include<iostream>

using namespace std;

int main(){

int n;

cout<<"enter the numder till you want to find fibonacci series: ";

cin>>n;

int x=0;

int y=1;

int sum=0;

int i;

for(i=0;i<n;i++){

cout<<sum<<" ";

x=y;

y=sum;

sum=x+y;

}

}

Quess. Fibonacci series of n numbers using recursion

Ans.

#include <iostream>

using namespace std;

int fs(int n){

if (n==0)

return 0;

else if (n==1)

return 1;

else

return (fs(n-1)+fs(n-2));

}

int main() {

int n;

cout<<"enter the numder till you want to find fibonacci series: ";

cin>>n;

for(int i=0;i<n;i++){

cout<<fs(i)<<" ";

}

return 0;

}

Quess. Factorial of a number using recursion

Ans.

#include<iostream>

using namespace std;

int fact(int n){

if(n!=1){

return n\*fact(n-1);

}

}

int main(){

int n;

cout<<"enter the numder of which you want to find the factoial: ";

cin>>n;

int y=fact(n);

cout<<"Factorial is :"<<y;

}