1. Reverse of a number

#include<iostream>

#include<conio.h>

using namespace std;

class reverse {

int M;

public:

void input();

void output();

};

void reverse::input() {

cout<<"Enter the number: ";

cin>>M;

}

void reverse::output() {

int r=0,d,n;

n=M;

while(n>0) {

d = n%10;

r = r\*10+d;

n=n/10;

}

cout<<"The reverse of "<<M<<" is "<<r;

}

int main() {

reverse a;

a.input();

a.output();

}

1. Sin(x)

#include<iostream>

#include<conio.h>

#include<math.h>

using namespace std;

class sin1{

int N;

float x;

public:

void sine();

};

void sin1::sine() {

int i,d,j,f=1;

float sum=0;

cout<<"Enter the angle in degrees and number of terms: \n";

cin>>d>>N;

x = d\*3.14/180; //converting to radians

for(i=1;i<=N;i++) {

for(j=1;j<2\*i;j++) { //calculating factorial

f = f\*j;

}

if(i%2==0) {

sum = sum - pow(x,2\*i-1)/f;

}

else {

sum = sum + pow(x,2\*i-1)/f;

}

f=1; //resetting factorial for next iteration

}

cout<<"The value of sine series for sin("<<d<<") is "<<sum<<"\n The value according to the library function is "<<sin(x);

}

int main() {

sin1 o;

o.sine();

}