**Practical 6: Write a C++ program to implement function overloading in order to compute power(m,n) where**

**i) m is double and n is int**

**ii) m and n are int.**

#include<iostream>

#include<math.h>

using namespace std;

int power(int m,int n)

{ return(pow(m,n)); }

double power(double m,int n)

{ return(pow(m,n)); }

int main()

{ double x;

int y;

cout<<" Enter Base Number : ";

cin>>x;

cout<<" Enter Power : ";

cin>>y;

cout<<" Result using First Condition = "<<power(x,y);

cout<<"\n Result using Second Condition = "<<power((int)x,y);

return 0;

}

**Output: 6**

