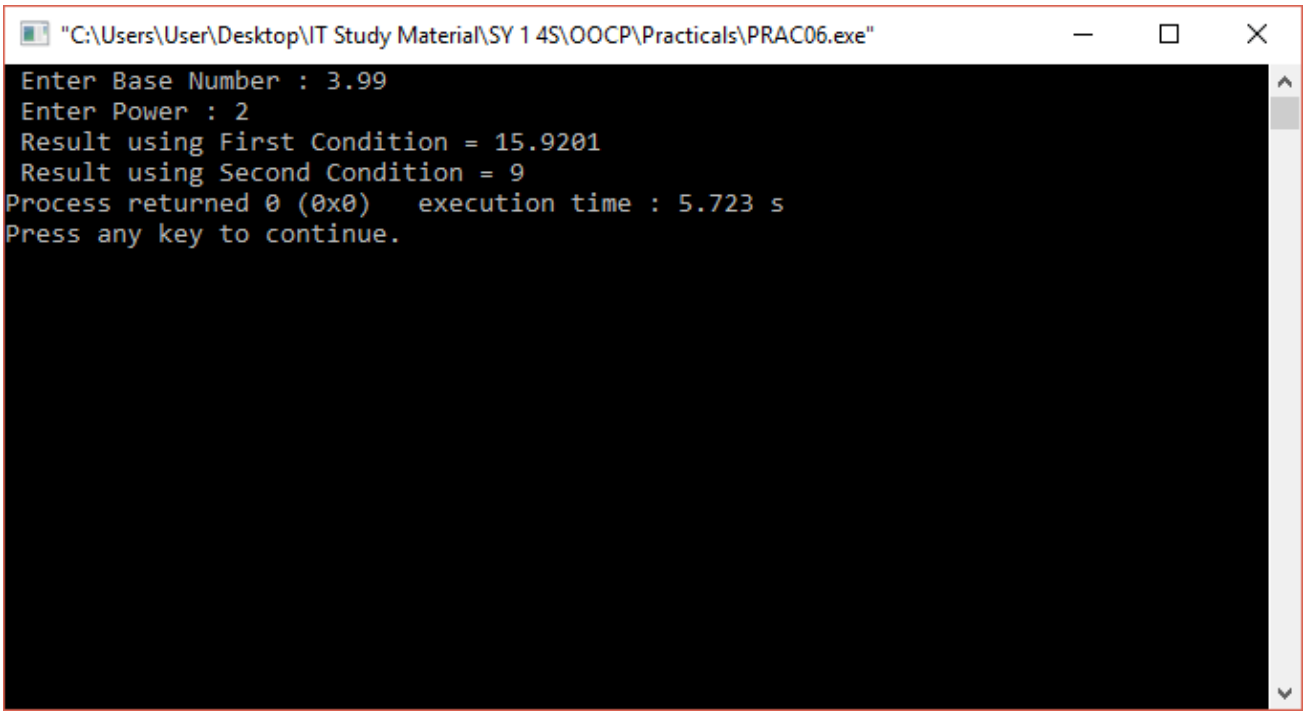
## Practical 6: Write a C++ program to implement function overloading in order to compute power(m,n) where

## 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


"C:\Users\User\Desktop\IT Study Material\SY 1 4S\OOCP\Practicals\PRAC06.exe"
Enter Base Number : 3.99
Enter Power : 2
Result using First Condition = 15.9201
Result using Second Condition = 9
Process returned 0 (0x0) execution time : 5.723 s
Press any key to continue.