

# Practical-1

## Code:-

```
#include <iostream>

#include <math.h>

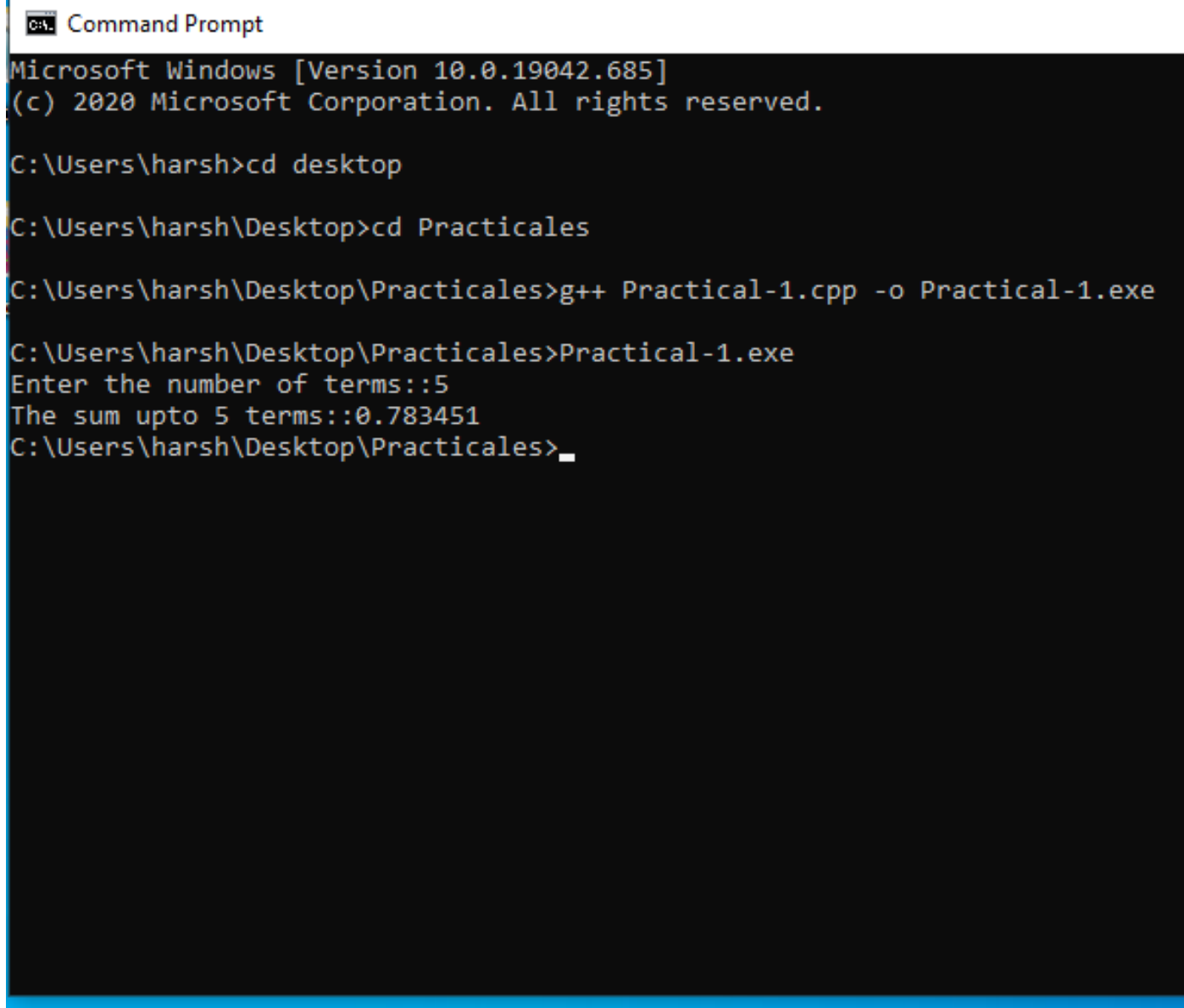
using namespace std;

int main()

{
    double n , y=0;
    cout << "Enter the number of terms::";    //taking the number of terms from the user
    cin >> n;
    for(int i=1 ; i<n+1 ; i++)
    {
        if(i%2==0)
        {
            y-=1/pow(i,i);
        }
        else                //calculating the sum upto n terms
        {
            y+=1/pow(i,i);
        }
    }

    cout << "The sum upto " << n << " terms::" << y;    //printing the final result
    return 0;
}
```

## Output:-



```
Command Prompt
Microsoft Windows [Version 10.0.19042.685]
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C:\Users\harsh>cd desktop
C:\Users\harsh\Desktop>cd Practicales
C:\Users\harsh\Desktop\Practicales>g++ Practical-1.cpp -o Practical-1.exe
C:\Users\harsh\Desktop\Practicales>Practical-1.exe
Enter the number of terms::5
The sum upto 5 terms::0.783451
C:\Users\harsh\Desktop\Practicales>
```

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