

Practical 1: Write a program to find Simple Interest and Compound Interest

```
#include<iostream>

using namespace std;

#include<math.h>

void ci(float p, float r, float t, float n);

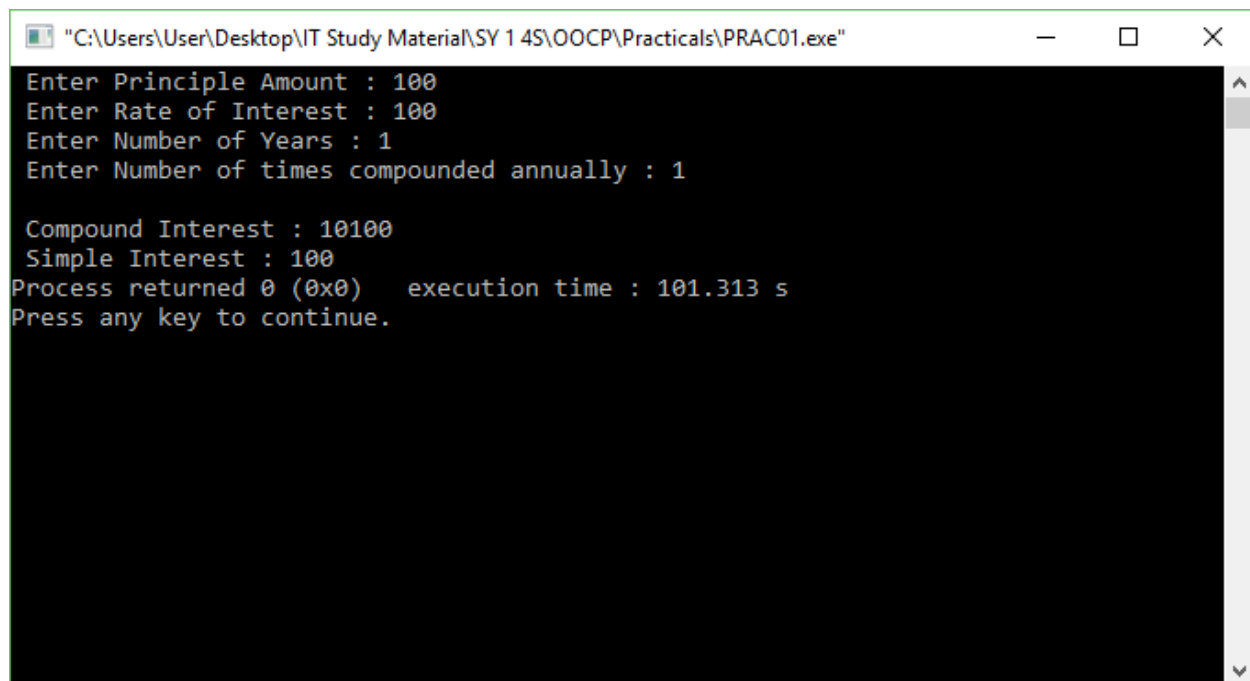
void si(float p, float r, float t);

int main()
{
    float p,r,n,t;
    cout<<" Enter Principle Amount : ";
    cin>>p;
    cout<<" Enter Rate of Interest : ";
    cin>>r;
    cout<<" Enter Number of Years : ";
    cin>>t;
    cout<<" Enter Number of times compounded annually : ";
    cin>>n;
    ci(p,r,t,n);
    si(p,r,t);
    return 0;
}

void ci(float p, float r, float t, float n)
{
    float ci;
    ci=(p* ( pow((1+(r/n)) ,(n*t)) ) );
```

```
        cout<<"\n Compound Interest : "<<ci;
    }
    void si(float p, float r, float t)
    {
        float si;
        si=((p*r*t)/100);
        cout<<"\n Simple Interest : "<<si;
    }
}
```

Output:



```
"C:\Users\User\Desktop\IT Study Material\SY 1 4S\OOCp\Practicals\PRAC01.exe"
Enter Principle Amount : 100
Enter Rate of Interest : 100
Enter Number of Years : 1
Enter Number of times compounded annually : 1

Compound Interest : 10100
Simple Interest : 100
Process returned 0 (0x0)   execution time : 101.313 s
Press any key to continue.
```