

ST. XAVIER'S COLLEGE
(Affiliated to Tribhuvan University)
Maitighar, Kathmandu



NET CENTRIC COMPUTING
[CSC 360]

LAB ASSIGNMENT #1

Submitted By

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3rd Year / 6th SEM

013BSCCSIT002

Submitted To

	Signature
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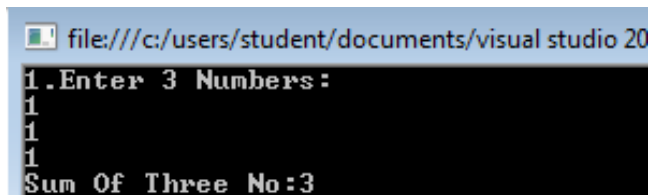
1. Write a program to find the sum of any three numbers.

Source Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleApplication7
{
    class Program
    {
        static void Main()
        {
            int n1,n2,n3,sum,avg,cnt;
            cnt=1;
            while (cnt <= 15)
            {
                Console.WriteLine("{0}.Enter 3 Numbers:", cnt);
                n1 = Convert.ToInt32(Console.ReadLine());
                n2 = Convert.ToInt32(Console.ReadLine());
                n3 = Convert.ToInt32(Console.ReadLine());
                sum = n1 + n2 + n3;
                cnt++;
                Console.WriteLine("Sum Of Three No:" + sum);
            }
        }
    }
}
```

Output:



```
file:///c:/users/student/documents/visual studio 20
1.Enter 3 Numbers:
1
1
1
Sum Of Three No:3
```

Figure 1: Program to find the sum of given three numbers

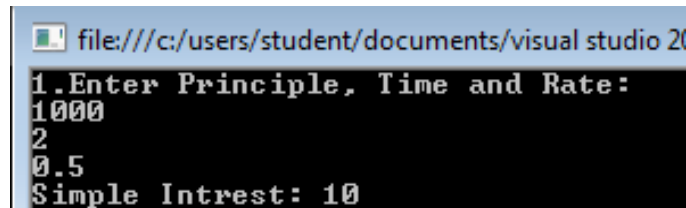
2. Write a program to find simple interest.

Source Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleApplication7
{
    class Program
    {
        static void Main()
        {
            int t;
            Double p,r,si,amt;
            int cnt=1;
            while (cnt <= 15)
            {
                Console.WriteLine("{0}.Enter Principle, Time and Rate:", cnt);
                p = Convert.ToDouble(Console.ReadLine());
                t = Convert.ToInt32(Console.ReadLine());
                r = Convert.ToDouble(Console.ReadLine());
                amt = p*t*r;
                si = amt / 100;
                cnt++;
                Console.WriteLine("Simple Intrest: {0}", si);
            }
        }
    }
}
```

Output:

A screenshot of a console window with a black background and white text. The window title bar shows the file path: file:///c:/users/student/documents/visual studio 20... The output text is as follows:

```
1.Enter Principle, Time and Rate:
1000
2
0.5
Simple Intrest: 10
```

Figure 2: Program to find the simple intrest

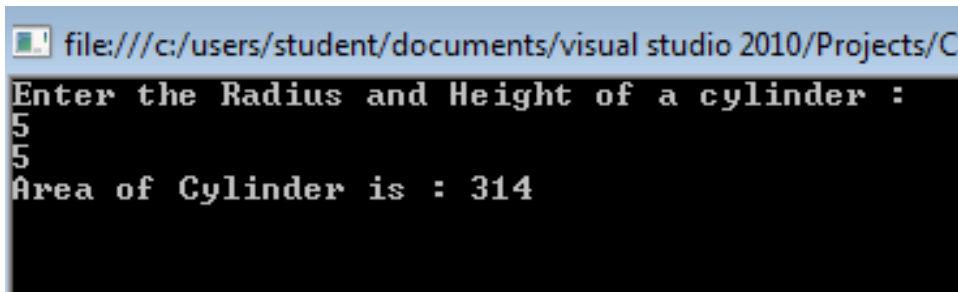
3. Write a program to find the area of cylinder.

Source Code:

```
using System;
using System.IO;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleApplication7
{
    class Program
    {
        static void Main()
        {
            double r, h, area, volume;
            double PI = 3.14;
            Console.WriteLine("Enter the Radius and Height of a cylinder : ");
            r = Convert.ToDouble(Console.ReadLine());
            h = Convert.ToDouble(Console.ReadLine());
            area = (2*PI * r * h)+(2*PI*r*r);
            Console.WriteLine("Area of Cylinder is : {0} ", area);
            Console.Read();
        }
    }
}
```

Output:

A screenshot of a Windows command prompt window. The title bar shows the file path: file:///c:/users/student/documents/visual studio 2010/Projects/C. The command prompt displays the text "Enter the Radius and Height of a cylinder :". Below this, the user has entered "5" for the radius and "5" for the height. The program then outputs "Area of Cylinder is : 314".

```
file:///c:/users/student/documents/visual studio 2010/Projects/C
Enter the Radius and Height of a cylinder :
5
5
Area of Cylinder is : 314
```

Figure 3: Program to find the area of the cylinder

4. Write a program to find compound interest.

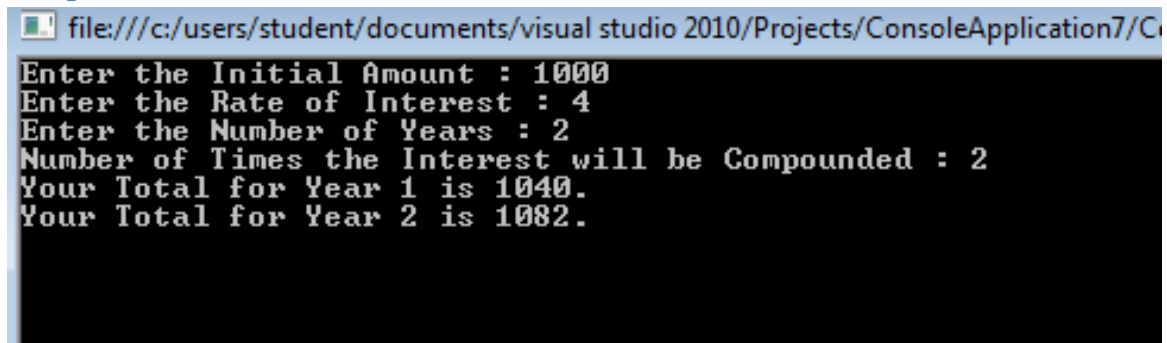
Source Code:

```
using System;
using System.IO;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleApplication7
{
    class Program
    {
        static void Main(string[] args)
        {
            double Total = 0, interestRate, years, annualCompound, Amount;
            Console.Write("Enter the Initial Amount : ");
            Amount = Convert.ToDouble(Console.ReadLine());
            Console.Write("Enter the Rate of Interest : ");
            interestRate = Convert.ToDouble(Console.ReadLine()) / 100;
            Console.Write("Enter the Number of Years : ");
            years = Convert.ToDouble(Console.ReadLine());
            Console.Write("Number of Times the Interest will be Compounded : ");
            annualCompound = Convert.ToDouble(Console.ReadLine());
            for (int t = 1; t < years + 1; t++)
            {
                Total = Amount * Math.Pow((1 + interestRate /
annualCompound), (annualCompound * t));
                Console.WriteLine("Your Total for Year {0} "
+ "is {1:F0}. \n", t, Total);
            }

            Console.ReadLine();
        }
    }
}
```

Output:



The screenshot shows a console window titled "file:///c:/users/student/documents/visual studio 2010/Projects/ConsoleApplication7/C". The output text is as follows:

```
Enter the Initial Amount : 1000
Enter the Rate of Interest : 4
Enter the Number of Years : 2
Number of Times the Interest will be Compounded : 2
Your Total for Year 1 is 1040.
Your Total for Year 2 is 1082.
```

Figure 4: Program to find the compound interest