ST. XAVIER'S COLLEGE

(Affiliated to Tribhuvan University)
Maitighar, Kathmandu

NET CENTRIC COMPUTING

[CSC 360]

LAB ASSIGNMENT #1

Submitted By

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3nd Year / 6th SEM

013BSCCSIT002

Submitted To

	Signature
Mr. Bal Krishna Subedi **Lecturer** **Dept. of Computer Science**	

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:

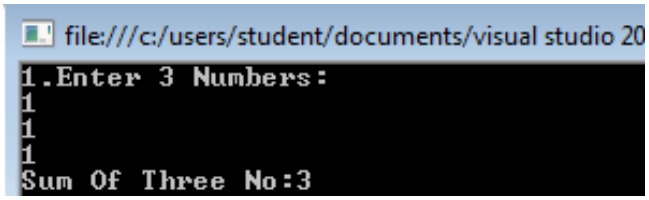

Figure 1: Program to find the sum of given three numbers

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:

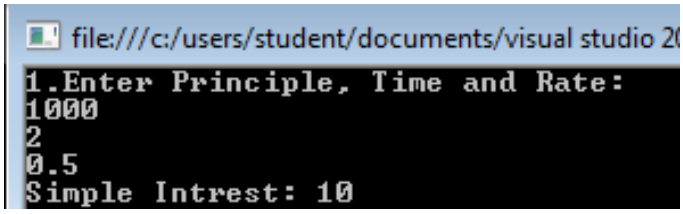

Figure 2: Program to find the simple intrest

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:

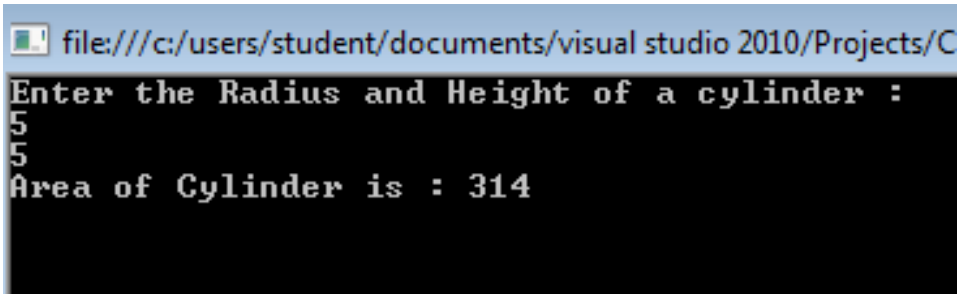

Figure 3: Program to find the area of the cylinder

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.Write("Your Total for Year {0} "
                                + "is {1:F0}. \n", t, Total);

                }

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

Output:

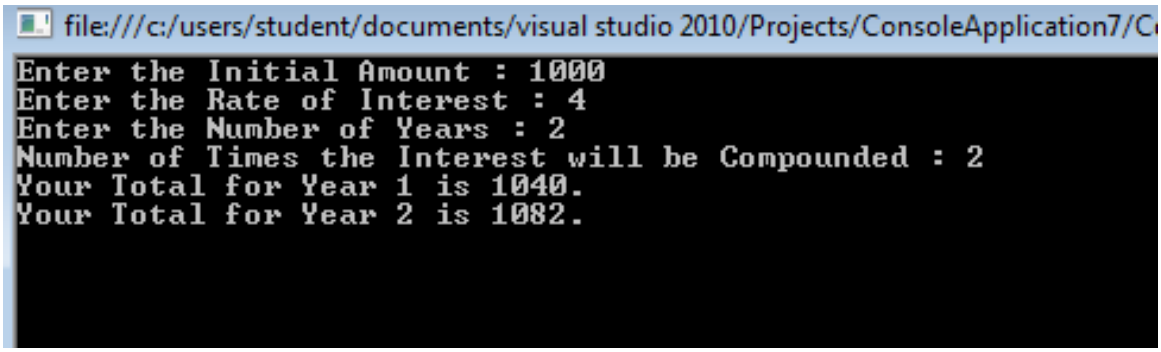

Figure 4: Program to find the compound interest