

LAB SHEET 1

University wants to store the student details. Get the student details such as Roll number, fname, lname, Semester, Specialization and display all details. Read the user inputs using console.

Solution:

```
namespace StudentDetails
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter Roll Number: ");
            string rno = Console.ReadLine();

            Console.WriteLine("Enter Fname");
            string fname = Console.ReadLine();

            Console.WriteLine("Enter Lname");
            string lname = Console.ReadLine();

            Console.WriteLine("Enter the Semster");
            string sem = Console.ReadLine();

            Console.WriteLine("Enter the Specialization:");
            string special = Console.ReadLine();

            Console.WriteLine("Your Details are as follow: \n" );
            Console.WriteLine("First Name: " + fname);
            Console.WriteLine("Last Name: " + lname);
            Console.WriteLine("Semster: " + sem);
            Console.WriteLine("Specialization: " +special);
        }
    }
}
```

Assessment 1a:

XYZ company stores employee details such as empno, empname, designation and total salary. Get user inputs and display all details

2. Calculate the total salary of an employee using console application. Provide the Basic salary input using console. (15% of basic is HRA and 30% of basic is DA)

Hint: Total Salary = Basic + HRA + DA

```
namespace SalaryCal
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter the Basic: ");
            int basic = Convert.ToInt32(Console.ReadLine());

            float hra = basic * 0.15f;
            float da = basic * 0.30f;

            float total = basic + hra + da;
            Console.WriteLine("Total Salary: "+total);
        }
    }
}
```

Assessment 1b:

Design a console application to calculate the Simple Interest (SI) by providing Principal (p), Rate(r) and Time (t)

Hint: S.I= $(p \times r \times t)/100$