.NET TECHNOLOGIES
(01CE0523)
Lab Manual

Name: Asif Alam
Enrolment No: 92201703058
Class: 5EC3
Batch: A

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Experiment 1

AIM: Program on Class, Object and Constructor

Code:

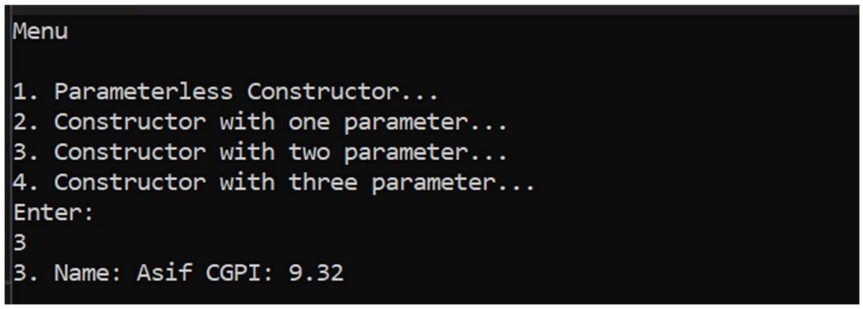
```
using System;
    public class Student
    {
        String name;
        double cgpi;
        int sem;
        public Student() {
            Console.WriteLine("1. Calling parameterless constructor...");
        }
        public Student(String name)
        {
            this.name = name;
            Console.WriteLine("2. Name: "+ this.name);
        }
        public Student(String name, double cgpi)
        {
            this.name = name;
            this.cgpi = cgpi;
            Console.WriteLine("3. Name: "+ this.name + " CGPI: "+ this.cgpi);
        }
        public Student(String name, double cgpi, int sem)
        {
            this.name = name;
            this.cgpi = cgpi;
            this.sem = sem;
            Console.WriteLine("4. Name: "+ this.name + " CGPI: "+ this.cgpi +"
Sem: "+ this.sem);
        }
```

```
        public static void Main(String[] args)
        {
            Console.WriteLine("Menu\n");
            Console.WriteLine("1. Parameterless Constructor...");
            Console.WriteLine("2. Constructor with one parameter...");
            Console.WriteLine("3. Constructor with two parameter...");
            Console.WriteLine("4. Constructor with three parameter...");
            Console.WriteLine("Enter: ");

            int n = Convert.ToInt32(Console.ReadLine());
            switch (n)
            {
                case 1: Student s1 = new Student();
                    break;
                case 2: Student s2 = new Student("Asif");
                    break;
                case 3: Student s3 = new Student("Asif", 9.32);
                    break;
                case 4: Student s4 = new Student("Asif", 9.32, 5);
                    break;

                default: Console.WriteLine("Invalid Input");
                    break;
            }
        }
    }
```

Output:


Menu
1. Parameterless Constructor...
2. Constructor with one parameter...
3. Constructor with two parameter...
4. Constructor with three parameter...
Enter:
3
3. Name: Asif CGPI: 9.32

NOTE:

AIM:

- Font Type: Calibri (Body)
- Font Size: 14
- Bold
- Line Spacing: 1.5

Code

- Font Type: **Cascadia Mono**
- Font Size: 10
- Normal
- Line Spacing: 1.0