**INDEX**

|  |  |  |  |
| --- | --- | --- | --- |
| **SL No** | **TITLE OF PROGRAM** | **PAGE NO** | **SIGNATURE** |
| **1** | Describe the enumerations programming constructs, which provides a human-readable form of a series of related constant values in C#. | **1-2** |  |
| **2** | Check Whether the Entered Year is a Leap Year or Not. | **3-5** |  |
| **3** | Program to display the addition, subtraction, multiplication and division of two number using console applications. | **6-8** |  |
| **4** | Program to display the first 10 natural numbers and their sum using console application. | **9-10** |  |
| **5** | Program to display the addition using the windows application. | **11-13** |  |
| **6** | Write a program to convert input string from lower to upper and upper to lower case. | **14-15** |  |
| **7** | Find the second largest element in a single dimensional array. | **16-18** |  |
| **8** | Program to illustrate the use of different properties in C# | **19-21** |  |
| **9** | Demonstrate Command line arguments processing. | **22-23** |  |
| **10** | Create classes, they are reference types in C# and hence are allocated on the heap. Classes provide object-oriented constructs such as encapsulation, polymorphism, and inheritance. For instance, the program should print John. Doe twice, illustrating that objects are reference types, allocated on the heap implement the same using C#. | **24-26** |  |
| **11** | Demonstrate Use of Virtual and override keyword in C# with a simple Program. | **27-28** |  |
| **12** | Perform operator overloading. | **29-30** |  |