

Tilak Maharashtra Vidyapeeth

Internal Assignments

Course: BCA 3rd year 6th semester
Subject: VB.Net Practical
Marks: 60 Marks

Assignment No. 1 [20 marks]

1. Write a simple "Hello World" program. Print "Hello World" using console commands.
2. Print any five numbers using command line arguments.
3. Calculate area of circle and triangle using overloading of methods.
4. Create an integer array having size 5. Redim it to 10 and display all values including previous values.
5. Write simple console application calculator which will perform addition, subtraction, multiplication and division. Accept input from user and display result on console.

Assignment No. 2 [20 marks]

1. Create an abstract class shape and also create the circle, rectangle hierarchy. Area method should be abstract method in shape class. This method should be overridden by derived classes in the hierarchy. Using base class reference, invoke the area method and display area of different figures.
2. create following type of arrays string
 - integer
 - stringUse system.Array class to perform following operations on them
Copy sort clear reverse
Accept input from user
3. Use collection class ArrayList to hold more than one employee object in employee management application. Display all employee details which are stored in collection.
4. Accept no from user in console and perform following operations using parameterized constructor.
 - i. Prime /not prime
 - ii. Factorial of number
 - iii. Odd/even
5. Write above program by using read, write properties and print output in console-you have to declare private variables in base class.

Assignment No. 3**[20 marks]**

1. Create a text editor application .it should perform operation like cut, copy, paste and change in font, color of the selected text. Also implement new open and save-file menu option. On editor status bar should be display the status of capslock key on first panel and current date on second panel.
2. Create an e-mail registration form using windows application.
3. Write a console application which will read text file from mentioned file system location.
4. Create table 'emp' having fields like empno, empname, sal, deptno. And write a program to add save update delete and exit button using connected architecture.
5. Design simple winform for dept table having field deptno, deptname, location. using disconnected architecture perform following operations

Insert, update, delete, next previous, last record, first record and exit