**List of programs**

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|  | **Part A** |  |
| **1** |  |  |
| 2 | Write a Program in C# to find the sum of each row of given jagged array of 3  inner arrays |  |
| 3 | Write a Program in C# to demonstrate Array Out of Bound Exception using Try, Catch and Finally blocks. |  |
| 4 | Write a Program to Demonstrate Use of Virtual and override key words in C# with a simple program. |  |
| 5 | Write a Program in C# to create and implement a Delegate for any two  arithmetic operations |  |
| 6 | Write a Program in C# to demonstrate abstract class and abstract methods in C#. |  |
|  | **Part B** |  |
| 1 | Consider the database db\_VSS (Vehicle Service Station) consisting of the following tables: tbl\_VehicleTypes(IdVehicleType: int, VehicleType: string, ServiceCharge: int) tbl\_ServiceDetails(IdService: int, VehicleNumber: string, ServiceDetails: string, IdVehicleType: int)  Develop a suitable window application using C#.NET having following options.   1. Enter new Service Details for the Selected Vehicle Type (In a Combo Box). 2. Update the Existing Service Charges to Database. 3. Total Service Charges Collected for the Selected Vehicle (In a Combo box) with total amount displayed in a text box.   NOTE: tbl\_VehicleType is a static table containing the following Rows in it.   |  |  |  | | --- | --- | --- | | **1** | Two Wheeler | **500** | | **2** | Four Wheeler | **1000** | | **3** | Three Wheeler | **700** | |  |
| 2 | Develop a web application using C#.NET and ASP.NET for the Postal System Management. The master page should contain the hyper links for adding Area Details, Postman details, Letter distributions and View Letters.  Consider the database db\_PSM (Postal System Management) consisting of the following tables:  tbl\_AreaDetails(IdArea: int, AreaName: string)  tbl\_PostmanDetails(IdPostman: int, PostmanName: string, ContactNumber: string, IdArea: int)  tbl\_AreaLetters(IdLetter: int, LetterAddress: string, IdArea: int)  Develop the suitable content pages for the above created 4 hyper links with the following details:   1. Enter New Area Details 2. Enter New Postman Details with the Area he/she is in-charge of (display Area in a Combo box) 3. Enter all the Letters distributed to the selected Area (display Area in a Combo box)   Display all the Letter addresses (In a Grid) to be distributed by the selected Postman (In a Combo box) |  |
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