**Lab Based Assignments:**

* Write a program to print a sum of single dim array int array.
* Write a program to display sum of diagonal elements (bold elements) of given array .

|  |  |  |
| --- | --- | --- |
| **10** | 40 | 50 |
| 60 | **20** | 70 |
| 80 | 90 | **30** |

* Write a program to search element from jagged array.
* Write a program to make sum of each row for multi dim array and print them.

|  |  |  |
| --- | --- | --- |
| 10 | 40 | 50 |
| 60 | 20 | 70 |
| 80 | 90 | 30 |

e.g. 100 150 200

* Write a program to collect list Product using Generic List<T> class and information of products.(Please follow below instructions to create Product class)

a. declare a class with the name [Product].

b. Create properties [ProductCode,ProductName,Category].

c. Create List<Product> and add products in a list and print them on console.

* Write a program to maintain country name and its mobile telephone prefixes using hashtable and print them together.