UCS301 Data Structures Lab Assignment 1

(Week 1)

1) Develop a Menu driven program to demonstrate the following operations of Arrays
——MENU——-
L.CREATE
2. DISPLAY
B. INSERT
k DELETE
5. LINEAR SEARCH
6. EXIT

- 2) Design the logic to remove the duplicate elements from an Array and after the deletion the array should contain the unique elements.
- 3) Predict the Output of the following program

```
int main()
{
  int i;
  int arr[5] = {1};
  for (i = 0; i < 5; i++)
    printf("%d",arr[i]);
  return 0;
}</pre>
```

- 4) Implement the logic to
 - a. Reverse the elements of an array
 - b. Find the matrix multiplication
 - c. Find the Transpose of a Matrix
- 5) Write a program to find sum of every row and every column in a two-dimensional array.