# PRACTICAL -1

Q.1 creation of array and search an element in that array using linear search.

**#include <stdio.h>**

**int main()**

**{**

**int array[100], search, c, n;**

**printf("Enter number of elements in array\n");**

**scanf("%d", &n);**

**printf("Enter %d integer(s)\n", n);**

**for (c = 0; c < n; c++)**

**scanf("%d", &array[c]);**

**printf("Enter a number to search\n");**

**scanf("%d", &search);**

**for (c=0; c<n; c++)**

**{**

**if (array[c] == search)**

**{**

**printf("%d is present at location %d.\n", search, c+1);**

**break;**

**}**

**}**

**if (c == n)**

**printf("%d isn't present in the array.\n", search);**

**return 0;**

**}**

**Output**

**Enter number of elements in array**

**5**

**Enter 5 integer(s)**

**6**

**3**

**8**

**9**

**4**

**Enter a number to search**

**8**

**8 is present at location 3.**

**PS C:\Users\Mukta\Documents\VSCode1>**