

(Linear Search)

Practical No. 7

Aim: Write a C++ program to initialize an array of 10 integers and verify whether a given number is present in the array or not using linear search.

```
#include <iostream.h>
#include <conio.h>
void main()
{
    clrscr();
    int arr[10] = {23, 45, 12, 78, 34, 89, 56, 10, 67, 90};
    int num, I, found = 0;
    cout << "Enter a number to search : ";
    cin >> num;
    for (I = 0; I < 10; i++)
    {
        if (arr[I] == num)
        {
            found = 1;
            break;
        }
    }
    if (found == 1)
        cout << "The number " << num << " is found in the array.";
    else
        cout << "The number " << num << " is not found in the array.";
```

{
cout << "In the number " << num << " is NOT
found in the array.";

y
Getch();
y

ff