

LINEAR SEARCH PROGRAM ADA
PROGRAM :-

```
#include <stdio.h>
#include <conio.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;
}
```

EXECUTION(OUTPUT):-

```
Enter number of elements in array
```

```
10
```

```
Enter 10 integer(s)
```

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
6
```

```
7
```

```
8
```

```
9
```

```
10
```

```
Enter a number to search
```

```
5
```

```
5 is present at location 5.
```