Search Item:-

Search_Item = 23, Count, No=6;

46	54	32	23	25	41

Start 0   1   2   3   4   5
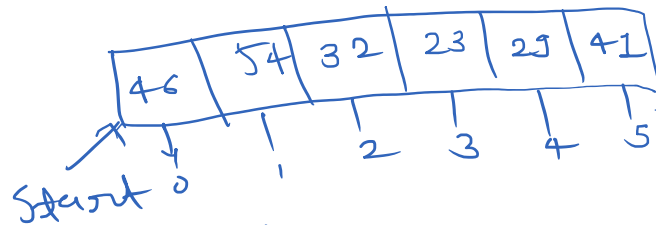
Count = 0;
while (count < No)
{
if (Day [count] == Search_Item)
{
Printf (" %d = %d ", Count+1, Search_Item);
break;
}
⟶ Count = count + 1;
}

1st :- while (0 < 6)
{
if (Day [0] == Search Item)
46 == 23
0 = 0 + 1 = 1
Count = 1

2nd :- (1 < 6)
{
if (54 == 23)
Count = count + 1

$$\text{count} = 2$$

$3^{rd} :- (2 < 6)$

```
{
  if ( 32 == 23 )
  {   ✗
    count = 3
```

$4^{th} :- (3 < 6)$

```
{
  if ( 23 == 23 )
  {
    Print ( 23 = 4 )
    break ;
```

come out from the loop

Update

Update - Item;
POS;   25   POS = 4

Day | 45 | 54 | 3 2 | (23) | 69 | 41 |
       | | 2   3   4   5
       0   1

Day [4 - 1] = update - Item;
Day [3] = 25

| 45 | 54 | 32 | 25 | 69 | 41 |

char string[10] = "classA"
char string[5] = "class(A)" ← error

100 1	C
100 2	l
100 3	a
" 4	s
" 5	s
" 6	A
" 7	\0

char string[2] = "   "
char string[2] = ""

User Input-
    gets( )
    scanf ("%s" str) ; }

```
scanf (" %s", str );  ⎫
getcharc )            ⎬
getenc ) ⎫
getchec ) ⎭
```

Print / Display

```
Puts ( )
Print f ( )
Putcharr ( )
```

length of string

```
charr str[10] = " class A ";
                        ↓
i = 0;  length;
→ while (str[i] ! = NULL) (str[i] != '\0')
    {
      i ++ ;  // i = i + 1 ;
    }
    length = i;
1ˢᵗ :- while ( str[0] != NULL) = c { = NULL
        {
        i
```

while (str[0] != NULL) = c != NULL
```
{
    i = 1
}
```

2nd :- while(str[1] != NULL) = l != NULL
```
{
    i = 2
}
```

3rd :- while(str[2] != NULL) = a != NULL
```
{
    i = 3
}
```

4th :- while(str[3] != NULL) = s != NULL
```
{
    i = 4
}
```

5th :- while(str[4] != NULL) = s != NULL
```
{
    i = 5
}
```

6th :- while(str[5] != NULL) = A != NULL
```
{
    i = 6
}
```

7th :- while(str[6] != NULL) = \0 != NULL
```
{ X
}
```

Class A = classA\0

length = i;
length = 6;