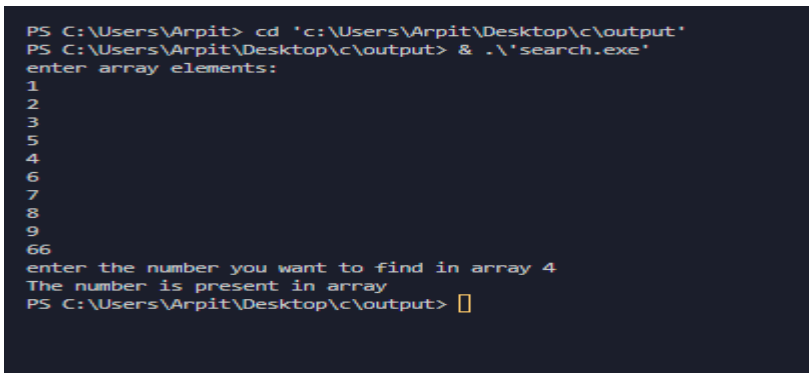
DS PRACTICAL 01

AIM: [A] :- Take a number from user and write a program to search a specific number is present or not.

PROGRAM:

```
#include<stdio.h>
void main() {
   int a[10],i,found=0,n;
   printf("enter array elements:\n");
   for(i=0;i<10;i++){
      scanf("%d",&a[i]);
   }
   printf("enter the number you want to find in array ",&n);
   scanf("%d",&n);
   for(i=0;i<10;i++){
      if(a[i]==n){
         printf("The number is present in array");
         found++;
      }
   }
   if (found==0)
      {
         printf("the number is not present");
      }
   return 0;
}
```

OUTPUT



[B] :- Create an array of any size. Write a program to update or modify some element from array.

PROGRAM:

```
#include <stdio.h>
void main()
{
   int i, a[5] = {1, 2, 3, 4, 5};
   printf("before modify the elements in the array: \n");
   for (i = 0; i < 5; i++)
   {
      printf("%d\n", a[i]);
   }
   for (i = 0; i < 5; i++)
   {
      if (a[i] == 2)
      {
         a[i] = 7;
      }
      else if (a[i] == 4)
      {
         a[i] = 6;
      }
   }
   printf("after modify the element in array:\n");
   for (i = 0; i < 5; i++)
   {
      printf("%d\t", a[i]);
   }
   return 0;
}
```

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OUTPUT

```
PS C:\Users\Arpit> cd 'c:\Users\Arpit\Desktop\c\output'
PS C:\Users\Arpit\Desktop\c\output> & .\'modify.exe'
before modify the elements in the array:
1
2
3
4
5
after modify the element in array:
1       7       3       6       5
PS C:\Users\Arpit\Desktop\c\output>
```

GITHUB LINK FOR PRACTICAL: https://github.com/AYUSH-Mahajan-07/DS-