

```
chetan_projects > C_experiments > exp5 > C 3_frequency.c > main()
1  #include <stdio.h>
2
3  int main() {
4      int n, i;
5      int arr[100];
6      int num, count = 0;
7
8      printf("Enter number of elements: ");
9      scanf("%d", &n);
10
11     printf("Enter %d integers:\n", n);
12     for (i = 0; i < n; i++) {
13         scanf("%d", &arr[i]);
14     }
15
16     printf("Enter number to find frequency: ");
17     scanf("%d", &num);
18
19     for (i = 0; i < n; i++) {
20         if (arr[i] == num) {
21             count = count + 1;
22         }
23     }
24
25     printf("\nFrequency of %d = %d\n", num, count);
26
27     return 0;
28 }
```

```
Enter number of elements: 3
Enter 3 integers:
4
7
4
Enter number to find frequency: 4

Frequency of 4 = 2
PS D:\chetan_projects>
```

Output

Enter no. of elements: 3

Enter 3 integers:

4

7

4

Enter no. to find frequency: 4

Frequency of 4 = 2

Experiment No. _____

Date: _____

Ex 5.3

1. Write a C program to find the frequency of each element in an array.

Solution:

int n, i;

int arr[100];

int num, count = 0;

printf("Enter no. of elements: ");

scanf("%d", &n);

printf("Enter %d integers in an array:", n);

for (i = 0; i < n; i++)

scanf("%d", &arr[i]);

{

printf("Enter no. to find frequency: ");

scanf("%d", &num);

for (i = 0; i < n; i++)

if (arr[i] == num)

{

count = count + 1;

}

printf("Frequency of %d = %d\n", num, count);

return 0;

}