

5.2. #include <stdio.h>

```
int main() {
```

```
    int n, i, num, count = 0;
```

```
    printf("Enter number of elements: ");
```

```
    scanf("%d", &n);
```

```
    int arr[n];
```

```
    printf("Enter %d integers: ", n);
```

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

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

```
    printf("Enter number to find frequency: ");
```

```
    scanf("%d", &num);
```

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

```
        if (arr[i] == num) count++;
```

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

```
    return 0;
```

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main.c

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

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- abhaygupta@Abhays-MacBook-Air main.c % gcc main.c
- abhaygupta@Abhays-MacBook-Air main.c % ./a.out

```
Enter number of elements: 4
Enter 4 integers:
2
3
4
5
Enter number to find frequency: 2
Frequency of 2 = 1
abhaygupta@Abhays-MacBook-Air main.c %
```

