

**WAP for Frequency counter with MAP 10, 20, 20, 30,30,30,40**

**o/p: Element 10 occurs 1 times**

**Element 20 occurs 2 times**

**Element 30 occurs 3 times**

**Element 40 occurs 1 times**

```
#include <iostream>
```

```
#include <map>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int arr[] = {10, 20, 20, 30, 30, 30, 40};
```

```
    int n = sizeof(arr) / sizeof(arr[0]);
```

```
    map<int, int> freqMap;
```

```
    // Count frequency
```

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

```
    {
```

```
        freqMap[arr[i]]++;
```

```
    }
```

```
    // Display frequency
```

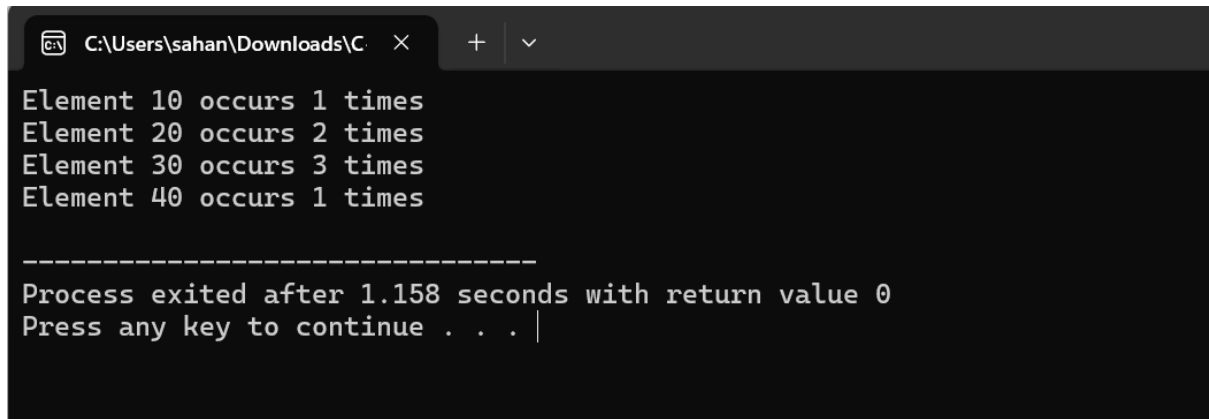
```
    for (auto pair : freqMap)
```

```
    {
```

```
        cout << "Element " << pair.first << " occurs " << pair.second << " times" << endl;
```

```
    }
```

```
return 0;  
}
```



A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\sahan\Downloads\C' and standard window controls. The command prompt displays the following output:

```
Element 10 occurs 1 times  
Element 20 occurs 2 times  
Element 30 occurs 3 times  
Element 40 occurs 1 times  
  
-----  
Process exited after 1.158 seconds with return value 0  
Press any key to continue . . . |
```