Person Rank

code:-

```cpp
#include<bits/stdc++.h>
Using namespace std;
Void read(vector<string>&tweets)
{
     newfile.open("tweets.txt",ios::in);
     if(newfile.is_open()){
          String tweet;
          while(getline(newfile,tweet)){
          tweets.push_back(tweet);
          }
          newfile.close();
     }
}
Void Solution(vector<string>tweets)
{
     map<string,int>mp;
     // entering all the user in map
     for(int i=0;i<tweets.size();i++)
     {
        int cnt=0;
        for(int j=0;j<tweets[i].length();j++)
        {
            string s="";
            if(tweets[i][j]=='@' )
            {
                s+=tweets[i][j];
                j++;
                while((tweets[i][j]>='a' and tweets[i][j]<='z') ||
(tweets[i][j]>='0' and tweets[i][j]<='9'))
                {
                     s+=tweets[i][j++];
                }
                mp[s]=0;
            }
        }
     }
//creating a another vector to store users, likes and tweets.
    vector<vector<string>>temp;
    for(int i=0;i<tweets.size();i++)
    {
        int cnt=0;
        string s="";
        for(int j=0;j<tweets[i].length();j++)
        {

            if(tweets[i][j]=='@' and cnt==0)
            {
                s+=tweets[i][j];
                j++;
                while((tweets[i][j]>='a' and tweets[i][j]<='z') ||
(tweets[i][j]>='0' and tweets[i][j]<='9'))
                {
```

```cpp
                    s+=tweets[i][j++];
                }
                mp[s]=0;
                cnt++;
            }
            if(cnt==1){
            break;
            }
        }
        string likes="";
        for(int j=tweets[i].length()-1;j>=0;j--)
        {

            while((tweets[i][j]>='0' and tweets[i][j]<='9'))
            {
                likes+=tweets[i][j];

                j--;
            }
            reverse(likes.begin(),likes.end());
            break;
        }
        string com="";
        for(int
j=s.length();j<tweets[i].length()-likes.length();j++)
        {
            com+=tweets[i][j];
        }
        temp.push_back({s,likes,com});
    }
// scoring users
    for(int i=0;i<temp.size();i++)
    {
        mp[temp[i][0]]+=(stoi(temp[i][1])*10);
    }
    for(int i=0;i<temp.size();i++)
    {
        for(int j=0;j<temp[i][2].length();j++)
        {
            if(temp[i][2][j]=='@')
            {
                string nam="";
                nam+=temp[i][2][j];
                j++;
                while((temp[i][2][j]>='a' and temp[i][2][j]<='z')
|| (temp[i][2][j]>='0' and temp[i][2][j]<='9'))
                {
                    nam+=temp[i][2][j++];
                }
                mp[nam]+=(5* stoi(temp[i][1]))+50;
            }
        }
    }
    for(auto it:mp)
    {
        cout<<it.first<<" "<<it.second<<endl;
```
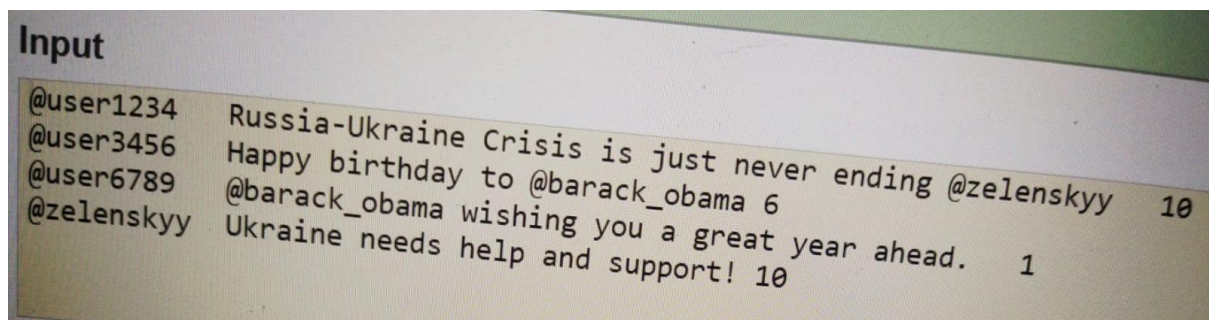
```
    }


}
Int main()
{
    vector<string> tweets;
    read(tweets);
    solution(tweets);
}
```

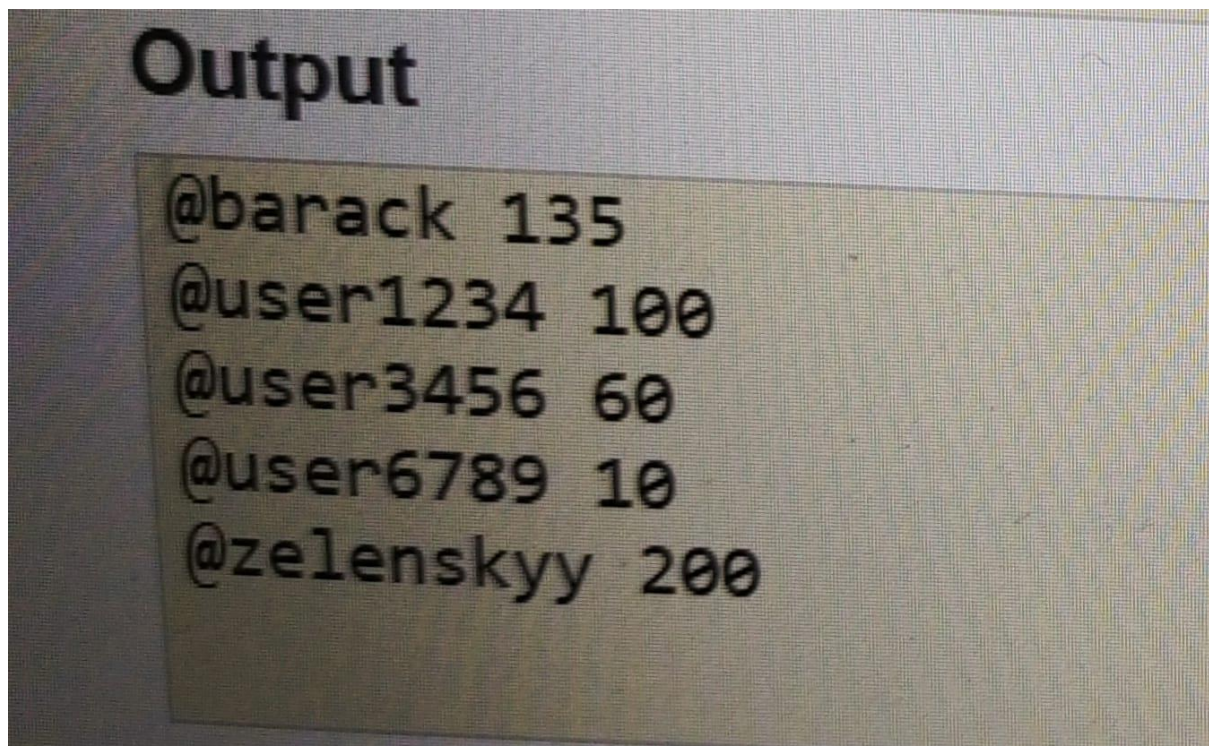**Time complexity:- O(N*N)**
Space Complexity:- O(N)

INPUT:-


```
Input

@user1234    Russia-Ukraine Crisis is just never ending @zelenskyy    10
@user3456    Happy birthday to @barack_obama 6
@user6789    @barack_obama wishing you a great year ahead.    1
@zelenskyy   Ukraine needs help and support! 10
```

OUTPUT :-


```
Output

@barack 135
@user1234 100
@user3456 60
@user6789 10
@zelenskyy 200
```