```
#include<bits/stdc++.h>
using namespace std;
struct planet
{
    float temp;
    long weight;
};
void printarray(struct planet []);
bool compareAandB(struct planet,struct
planet);
int main()
{
    struct planet
    input[5]={{32.3,343},{56.4,3223},{23.4,43
    5},{45.4,4234},{55.3,234234}};
    printarray(input);
    sort(input,input+5,compareAandB);
    cout<<endl;
    printarray(input);


}
void printarray(struct planet input[])
{
    long i;
    for(i=0;i<5;i++)
    {
        cout<<input[i].temp<<" ";
        cout<<input[i].weight<<" ";
        cout<<endl;
    }
}
bool compareAandB(struct planet A, struct
```

```
planet B)
{
    if(A.weight==B.weight)
    {
        return false;
    }
    else
    {
        return A.weight>B.weight;
    }
}
```