Code:

```cpp
#include<iostream>
using namespace std;

struct student
{
  char name[50];
  float marks;
};

int main(){
  int n;
  cout << "\nEnter number of students : ";
  cin >> n;
  student s[n];
  int sum = 0, max_score = 0;
  cout << "\nEnter name of the student and his respective marks\n\n";
  for(int i = 0; i < n; i++){
    cout << "Enter name of Student " << i+1 << " :  ";
    cin >> s[i].name;
    cout << "Enter marks of Student " << i+1 << " :  ";
    cin >> s[i].marks;
    //calculates sum of marks
    sum += s[i].marks;
    //calculates highest examination score
    if(max_score <= s[i].marks){
      max_score = s[i].marks;
    }
  }

  //calculate average of examination marks
  float average = sum / (float) n;
  cout << "\n--------------------------------------------------------\n";
  cout << "\nThe average of examination marks is : " << average << "\n";

  //prints names of students who scored below average examination mark
  cout << "\n--------------------------------------------------------\n";
  cout << "\nStudents who got marks below average" << "\n";
  for(int i = 0; i < n; i++){
    if(s[i].marks < average){
      cout << s[i].name << "\t" << s[i].marks << "\n";
    }
  }

  //prints highest examination score
  cout << "\n--------------------------------------------------------\n";
  cout << "\nThe highest examination score is : " << max_score << "\n";

  //prints names of students whose examination score is same as highest examination score
  cout << "\n--------------------------------------------------------\n";
  cout << "\nStudents who scored highest marks in the examination" << "\n";
  for(int  i = 0; i < n; i++){
    if(s[i].marks == max_score){
      cout << s[i].name << "\t" << s[i].marks << "\n";
    }
  }
  cout << "\n--------------------------------------------------------\n";
  return 0;
}
```

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    int sum = 0, max_score = 0;
    cout << "\nEnter name of the student and his respective marks\n\n";
    for(int i = 0; i < n; i++){
        cout << "Enter name of Student " << i+1 << " :  ";
        cin >> s[i].name;
        cout << "Enter marks of Student " << i+1 << " :  ";
        cin >> s[i].marks;
        //calculates sum of marks
        sum += s[i].marks;
        //calculates highest examination score
        if(max_score <= s[i].marks){
            max_score = s[i].marks;
        }
    }

    //calculate average of examination marks
    float average = sum / (float) n;
    cout << "\n------------------------------------------------------------\n";
    cout << "\nThe average of examination marks is : " << average << "\n";

    //prints names of students who scored below average examination mark
    cout << "\n------------------------------------------------------------\n";
    cout << "\nStudents who got marks below average" << "\n";
    for(int i = 0; i < n; i++){
        if(s[i].marks < average){
            cout << s[i].name << "\t" << s[i].marks << "\n";
        }
    }

    //prints highest examination score
    cout << "\n------------------------------------------------------------\n";
    cout << "\nThe highest examination score is : " << max_score << "\n";

    //prints names of students whose examination score is same as highest examination score
    cout << "\n------------------------------------------------------------\n";
    cout << "\nStudents who scored highest marks in the examination" << "\n";
    for(int  i = 0; i < n; i++){
        if(s[i].marks == max_score){
            cout << s[i].name << "\t" << s[i].marks << "\n";
        }
    }
    cout << "\n------------------------------------------------------------\n";
    return 0;
}
```

Input & Output:

```
PS C:\Users\DELL\OneDrive\Desktop\DSA LAB\LAB 1> cd "c:\Users\DELL\OneDrive\Desktop\DSA LAB\LAB 1\" ; if ($?) { g++ dsa_lab1.cpp -o dsa_lab1 } ; if ($?) { .\dsa_
lab1 }

Enter number of students : 10

Enter name of the student and his respective marks

Enter name of Student 1 :  Tony
Enter marks of Student 1 :  99
Enter name of Student 2 :  Steve
Enter marks of Student 2 :  85
Enter name of Student 3 :  Jake
Enter marks of Student 3 :  80
Enter name of Student 4 :  Bruce
Enter marks of Student 4 :  99
Enter name of Student 5 :  Natasha
Enter marks of Student 5 :  62
Enter name of Student 6 :  Clint
Enter marks of Student 6 :  58
Enter name of Student 7 :  Bucky
Enter marks of Student 7 :  71
Enter name of Student 8 :  Peter
Enter marks of Student 8 :  80
Enter name of Student 9 :  Nick
Enter marks of Student 9 :  35
Enter name of Student 10 :  Vision
Enter marks of Student 10 :  99


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The average of examination marks is : 76.8

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Students who got marks below average
Natasha 62
Clint   58
Bucky   71
Nick    35

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The highest examination score is : 99

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Students who scored highest marks in the examination
Tony    99
Bruce   99
Vision  99

-------------------------------------------------------
PS C:\Users\DELL\OneDrive\Desktop\DSA LAB\LAB 1>
```