



Introduction to C++ for DSA

Module 3.5: Practice Day 02

(Codeforces Links and Practice Questions)

Topics:

1. Basic C++
2. Class and Object

Codeforces Problem Links:

1. [V. Comparison](#)
2. [W. Mathematical Expression](#)
3. [G. Palindrome Array](#) (solve using two pointer's technique)
4. [I. Smallest Pair](#) (solve using min() function)
5. [O. Sort String](#) (solve using sort() function)
6. [H. Sorting](#) (solve using sort() function)

Practice Problem 1

Question: Create three static objects with the help of the constructor of the following class.

Student

```
{  
    name;  
    roll;  
    section;  
    math_marks;  
    cls;  
}
```

Then compare those 3 objects and print who got the highest math_marks and print his/her name.

Practice Problem 2

Question: Create a dynamic object named **dhoni** of the following class. Don't use a constructor here, that means you need to fill the data by yourself.

Cricketer

```
{  
    jersey_no;  
    country;  
}
```

Then make another dynamic object named **kohli** and copy the data of the **dhoni** object to **kohli** and after that delete the **dhoni** object. Then print the **jersey_no** and **country** of **kohli** object.

Note: At first try to do this, **kohli=dhoni** and see if it gives the correct output. If not, then think deeply why it didn't work and try to copy the data manually like **kohli->jersey_no=dhoni->jersey_no;**