

**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](https://codeforces.com/group/MWSDmqGsZm/contest/219158/problem/V)
2. [W. Mathematical Expression](https://codeforces.com/group/MWSDmqGsZm/contest/219158/problem/W)
3. [G. Palindrome Array](https://codeforces.com/group/MWSDmqGsZm/contest/219774/problem/G) (solve using two pointer’s technique)
4. [I. Smallest Pair](https://codeforces.com/group/MWSDmqGsZm/contest/219774/problem/I) (solve using min() function)
5. [O. Sort String](https://codeforces.com/group/MWSDmqGsZm/contest/219856/problem/O) (solve using sort() function)
6. [H. Sorting](https://codeforces.com/group/MWSDmqGsZm/contest/219774/problem/H) (solve using sort() function)

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**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.

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**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**;