

CT5: CSE 203 - Object-Oriented Programming I: Java (Sec C)

Time: 15 min

Mark: 20

Name:

ID:

Create a multi-threaded program running 3 threads in parallel. Create the threads by **implementing** the **Runnable** interface. Each Thread will take 2 integers **min** and **max** and will print all prime numbers between **min** and **max**. The **first** thread will print prime numbers between **1 to 100**, **2nd thread** from **101 to 200** and **3rd thread from 201 to 300**.

Note: Do not create 3 different classes for 3 threads rather create one class and pass different parameters for different threads.

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Create a multi-threaded program running 3 threads in parallel. Create the threads **extending** the **Thread** class. Each Thread will take a **String** and an **integer, data** and **n** respectively, and print the **data** **n** times if **n** is odd, otherwise print **n/2** times. The **first** thread will take “**OOP**” and **10** as parameter, **2nd thread** will take “**DataStructure**” and **33** as parameters, and **3rd thread** will take “**Math**” and **100**.

Note: Do not create 3 different classes for 3 threads rather create one class and pass different parameters for different threads.