**Obejct oriented programming class EXERCISE**

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| **Exercise - 1**  Consider the following class Demo  **class Demo{**  **int x;**  **double y;**  **char temp;**  **public:**  **Demo(int , double, char);**  **bool CompareObjects(const Demo &); //if both objects have same values return true else return false**  **};**  **void main()**  **{Demo A(2,3,‘F’);**  **Demo B; //if Wrong, Give Solution!!**  **Convert the following pseudo code into C++**  //If A and B are exactly same then Display “both are same”; otherwise //display “both are different” [call CompareObject Function]  **} // end of main** | //write implementation of all member functions of class |
| **Exercise - 2**  Consider the following class:  class Student  {  private:  int Id;  char Name[100];  public:  ….};   * Write constructor with parameters for this class * Can you implement a constructor with default parameters for this class? * Implement a default constructor for this class |  |

**Exercise – 3**

Create a class for complex numbers. Implement following functions:

* Constructor with default parameters
* Copy Constructor
* A function to add two complex numbers and returns the result in form of another complex number

Sample MAIN:

void main()

{complex A(2.4, 1.2), B,C;

C=A.add(B);}