Arrays

1. Create array of integers based on the number of command line argument. Initilaize array elements based on command line arguments. Find out the max, min and average of this array.
2. Create array of 3 boxes. Display volume calculated for each box. Use class Box which is already created.
3. Create 3\*3 array for storing integers.   
   Create single dimensional arrays to maintain rowwise sum and columnwise sum of the 2d array.  
   Check wheher it is square matrix  
   Take the diagonal sum and difference if it is square matrix

Inheritance

1. Create a class Customer having emailid and address. Create a subclass RegCustomer by adding data member as reg\_no. Accept the type of the customer from user and accordingly accept the information from the user. Write method giveDiscount() in Customer and RegCustomer which needs input parameter as shopping price. Give no discount to Customer but give 5% discount RegCustomer and display the final price.
2. Create a class Doctor inheriting from Person class. Add extra state like degree,regno, salary in Doctor class and override method display in Doctor. Write tostring() method to display doctor and person details.
3. Create ColorPoint class extending from class Point. Add the data member as color(String) and static data member as colors(String []). In the parameterised constructor compare the color with array elements, if it is equal to any of the element, assign the value else assign "white" color value. Create the instance and verify.