

Q1. Write a Java class MathUtil which have 3 static methods  
1. getSquare --accept number as argument and return square  
2. getFactorial--accept number as argument and return factorial  
3. isPrime--accept num as arg and return true if number is prime else return false.

Q2. create an array of 5 elements double data type. see values just after creation.  
populate the array with values see values after population  
Repeat this activity for array of char and array of boolean.

Q3. Write a class Student having following attributes  
    int rollNo;  
    String studentName;  
    boolean isExperienced;  
they should be private  
write a no-args and parameterized constructor. getter and setter for all the attributes  
write two public methods  
1. showStudentInfo  
2. setExperienced(boolean b)  
create 3 different objects of Student class in main() and call all the functionalities.

Q4. Write a Java class Employee      id, name, salary and DOJ as a field  
from Date class that you have created earlier. Write no-args and parameterized constructor  
and showEmpDetails() function which displays all employee information.  
    Create another class EmpUser in that write main() method.  
create an employee array of size entered by user.  
in a loop accept the employee details for each employee and create an Employee object add the object to the array.  
in another loop show details of all the employees entered in the array.

Q5. Write a Java Class BankDetails which contains(accno, name, acc\_type, balance)  
For the above class do below options.  
1. Deposit\_money()  
2. Withdraw\_money()  
3. check\_balance()  
4. display\_all information about account  
Account no should be generated automatically should not be taken from user.