

Basic Programming (Set 2)

1. Method which will accept Integer as parameter and determine & print the number is prime or not
2. Accept string as a parameter and print whether it is a palindrome or not
3. Method to replace every occurrence of 'a' character from each string in an array (accept both character and array of strings as param)
4. Method to count the length of a string (not using length function)
5. Method to find only the unique numbers in an array (accept array as a parameter) Hint: Use list and set

OOPS Concepts (Set 2)

1. Show the demo of parameterized constructor
2. Show the demo of method overriding
3. Declare the variables with static and identify its result
4. Implement an abstract method
5. Override the abstract method created above
6. State the basic difference between an interface and an abstract class (common for

Advanced concepts / Collections/SOQL Queries/DML Operations (Set 2)

1. Query on Account object /records and if the account is person account print the ID of that record. (Hint : You have to enable person account)
 - a. Print the result using traditional for loop
 - b.. Print the result using advanced for loop
2. Query on all Opportunity records where its Account != NULL and Status = Closed
 - a. Add all Opportunity Id's to the List and print the result
 - b. Add all Account Id's to the set and print the result
 - c. Prepare the Map having Key as OpportunityId and Value as AccountId
3. Find all the Account Names starting with 'a'. Print that count and update all those accounts with New Name as 'Updated via update DML operation'.
4. Prepare the Map structure to show the Account (As key) and Its opportunities as List(Value)

Hint : Query on Account and get the child opportunities or

Query on Opportunities and get the parent Account Id

Hint : Your map structure will be : Map<Id,List<Id>>

5. Write a SOQL Query on to retrieve/print 10 Campaign records and sort in ascending as well as descending order.
6. Write a SOQL query to retrieve/print the Contact records where Last Modified Date = Today
7. Demonstrate the usage of Database.query and Database.search method
8. State the difference between Database methods for DML and basic DML statements