

Basic Programming (Set 1)

1. Method which will accept Integer as parameter and determine & print the number is even or odd
2. Method which will accept integer parameter and build an print array of upto that integer parameter.

(For example : If your accepts (integer) 5 as parameter then build array of any datatype but array size should be accepted parameter so in this case your array size should be 5)

3. Method which will accept array of integers as parameters write a code to
 - a. Sort the array in ascending order
 - b. Sort the array in descending order
 - c. Print the Maximum number in the array
 - d. Print the Minimum number in the array
 - e. Print duplicates and its occurrences in the array

(for ex: if array is [2,2,3,4,4,5] then your output will be as follows :

Number : Appearance

2 : 2

3: 1

4 :2

5 :1

)

4. Method to display the summation of numbers from zero to parameter number
5. Method which will calculate the simple interest (Accept necessary parameters)

OOPS Concepts (Set 1)

1. Show the demo of constructor
2. Write a method which will accept following parameters & return the result :

Parameter: String : (Value here will be any of the following :

'SUM','SUB','MUL','DIV')

Parameter: Two integers :

Example :

```
Integer result = Calculator('SUM', 2 ,3);
```

```
// here the result will be 5
```

```
Public integer calculator(String operation, Integer inp1 , Integer Inp2)
```

```
{
```

```
// Write a logic which will identify the operation & return the result
```

```
Return integer ;
```

```
}
```

3. Show the demo of Inheritance
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 every group)

Advanced concepts / Collections/SOQL Queries/DML Operations (Set 1)

1. Query on Account object/ records and show/print each account record using :

a. Traditional for loop

b. Advanced for loop

c. While loop

2. Query on all Lead records & add ID of record to the set and print that set.

3. Create a Account Record with Name ="Eternus". Create associated contacts.

Create a Custom field called Contact Count on Account . Query on Contact

where Account.Name ="Eternus" and count the associated contacts. Update

the custom field on Accounts with that count.

4. Find all the Lead records having Status as Won & update the stage with New value

5. Write a SQOL Query to show Child Parent relationship and print the result.

(for example : Account is parent and Contact is child. Then Query on Child)

6. Write a SOQL query to retrieve/print the Account records where Created Date = Today

7. Demonstrate the usage of Database.query and Database.search methods

8. State the difference between Database methods for DML and basic DML statements