

Question Answers on OOPS

Q1. Apex is hosted programming Languages?

Ans- Apex is a cloud-based programming language including some features like apex is a Hosted and Strongly Typed Programming language. Apex language is hosted programming language because it is compiled, save and executed on a server.

Q2. Apex is Strongly Typed and Using Multitenant Architecture ?What it means?

Ans-It means that apex validates references to objects at compile time.

Q3. Write Primitive data types used in Apex?

Ans- Apex supports Primitive data types which is as follows: -

- Integer
- String
- Date
- Date Time
- Boolean
- Decimal
- SObject
- Array
- Enum

Q4. What is Enum?

Ans- Enum is a special data type that enables for a variable to be a set of predefined functions.

Q5. What is Collection? Types of collections?

Ans- List, Set and Map are the collections used in apex. These are useful when governor limits are reached to a limit while querying records inside the for loop. These are also variable types that can contain numerous records.

Q6. Name all methods used in List?

Ans- The methods used in list are as follows: -

- add ()
- add (index, value)
- get ()
- set ()
- remove ()
- addall ()
- size ()
- clear ()

Q7. Name all methods used in Map?

Ans- All the methods which are used in map are as follows: -

- get ()
- put ()
- putall()
- remove ()
- values ()
- keyset ()
- Contains key()

Q8. Name all methods used in Set?

Ans- The methods used in set are as follows: -

- add ()
- size ()
- contains()
- addall()
- clear()

Q9. Give the name of all methods used in List but not used in Map?

Ans-The methods which are used in list but not used in map are as follows:-

- ❖ add (index, value)
- ❖ set()
- ❖ addall ()
- ❖ size()

Q10. Give the name of all methods used in Map but not in List?

Ans- The methods which are used in map but not in list are as follows: -

- Containskey()
- Keyset()
- put()
- putall()

Q11. Write a Program to Insert and delete data through a list?

Ans- Insert Program

```
public void insert2()
{

    list<string> employees=new list<string>();

    employees. Add('Priyanka'); // add a value in a list
    employees. Add('Amrita');
    employees. Add('ravi');
    employees. Add('Rohit');
    system. Debug('Show me all list in row '+employees);

    //Retrieve a data from For loop
    for(string s:employees)
    {
        System. Debug('show me the name of all employees '+s);
    }
}
```

Delete

```
public void delete(){

List<Account> accList = [select id,name,Description from account];
Set<Account> accSet = new Set<Account>();
List<String> st = new List<String>();
for (Account a : accList){
    if(a.Description != null){
        st = a.Description.Split (' ');
        for(String ss : st){
            if(ss == 'Test'){
                accSet.add(a);
            }
        }
    }
}
}
```

```
accList = new List<Account>(accSet);
delete accList;
```

Q12.What is Subject?Types of subject?

Ans-Subject-These are instance methods which is used to represent all objects stored in salesforce.

Types of Subject are as follows:-

- Generic
- Specific

Q13.Write a program using Types of Subjects?

Ans- public static void disp(){
Account ac=[select name from account limit 1];

System.debug(ac.name);

Subject s=[select firstname,lastname from lead limit 1];

System.debug(s);

System.debug(s.firstname);

System.debug(s.lastname);
}
}

Q14. Write True or False:-->

1. It means sharing class 1 can be shared with another user - **false**
2. Sharing class if used in parent class then child class inherits this setting also - **true**
3. In apex no feature of sharing class is there. **false**

Q15.Name oops Feature:

1. Abstract.....**methods**..... must not define a body //(not even curly braces), else error //will come up.
2. This class must use the override keyword for.....**Abstract**.....methods.

3. This class must use the Protected keyword forinstance.....methods.
4. In case of Inheritance this access modifierprotected...only used in Child Class.
5. Multiple Inheritance can be implemented throughmultiple interfaces in a class.....
6.Abstract..... Class has defined and non defined methods.
7. Two Types of Polymorphism.....compile time polymorphism.....
Andrun time polymorphism.....
8. An.....interface..... is like a class in which none of the methods have been implemented—the method signatures are there, but the body of each method is empty.
9.Abstract.....class has variables as well properties; these are not present in interface.
10.Virtual..... class can have variables unlike interfaces. This class can be empty without any methods. This class can have well defined methods including constructors.
11. We useoverride.....keyword to override any method defined in parent virtual class.
12. Methods ofinterfaces..... doesn't have access modifiers (Public private etc)
13. If a method is defined asabstract....., it needs(required) to be implemented, same as interface, but different from virtual class. In virtual class, you may or may not implement virtual methods.

