Example for Array and For each loop

```
public class Arrayclass {


    public void armethod()
    {
        integer[] arr=new integer[]{67,89,90,12}; //  static declaration of an array and inizialization
        //system.debug('Show me value of integer '+arr);
        //system.debug('show me value of first array'+arr[0]);
        for(integer i:arr)
        {
            system.debug('Show me value of array'+i);
            if(i==89)
            {
                system.debug('This value is present' +i);
            }
        }
    }
    public void forloop()
    {
        Account[] acs=[select name from account]; //sobject data type is account []
        for(account a:acs) // no of iteration
        {
           system.debug('show me the name of all accounts '+ a.name);
        }


    }
}
```

……

Task1: Access data of string storing names of all candidates

Task2: Access data of Product_details [custom object]

……

```
public class collectionclass
{


    public void listmethod()
    {
        list<string> colors=new list<string>(); //decalaation of a list
        colors.add('Red'); // add a value in a list
        colors.add('Blue'); //index 1
        colors.add('Orange');
        system.debug('show me colors '+colors);
        colors.add('orange'); //duplicacy
        colors.add(1,'Black'); // ADDA VALUE AT THE PARTICULAR INDEX
        SYSTEM.DEBUG('SHOW ME COLORS AGAIN'+colors);
        colors.set(2,'yellow');
        SYSTEM.DEBUG('SHOW ME COLORS AGAIN'+colors);
        colors.remove(4);
        SYSTEM.DEBUG('SHOW ME COLORS AGAIN'+colors);
        colors.clear();
        SYSTEM.DEBUG('SHOW ME COLORS AGAIN'+colors);









    }
```

```
}
……
public class collectionclass
{


    public void listmethod()
    {
        list<string> colors=new list<string>(); //decalaation of a list
        list<string> addresses =new list<string>{'goa','delhi','bombay'};
        colors.add('Red'); // add a value in a list
        colors.add('Blue'); //index 1
        colors.add('Orange');
        system.debug('show me colors '+colors);
        colors.add('orange'); //duplicacy
        colors.add(1,'Black'); // ADDA VALUE AT THE PARTICULAR INDEX
        SYSTEM.DEBUG('SHOW ME COLORS AGAIN'+colors);
        colors.set(2,'yellow');
        SYSTEM.DEBUG('SHOW ME COLORS AGAIN'+colors);
        colors.remove(4);
        SYSTEM.DEBUG('SHOW ME COLORS AGAIN'+colors);
       // colors.clear();

        SYSTEM.DEBUG('SHOW ME COLORS AGAIN'+colors);
        SYSTEM.DEBUG('SHOW ME addresses AGAIN'+addresses);
        system.debug('show me size of colors'+addresses.size());
        addresses.addall(colors);
        SYSTEM.DEBUG('SHOW ME addresses AGAIN'+addresses);
        system.debug('show me size of colors'+addresses.size());
        if(colors.contains('Red brown'))
        {
```

```
            system.debug('yes color is red');
        }
        else
        {
            system.debug('no color is not red');
        }



    }
}
……..
public void mapmethod()
    {
        map<string,string> add=new map<string,string>();
        add.put('A','Noida');
        add.put('b','Agra');
        add.put('c','delhi');
        system.debug('show me value'+ add);
        system.debug('show me value'+add.get('A')); // ONLY SHOW VALUE OF A -->NOIDA
       add.remove('b');
        system.debug('show me value'+ add);


    }
…….
 public void mapmethod()
    {
        map<string,string> add=new map<string,string>();
        add.put('A','Noida');
        add.put('b','Agra');
        add.put('c','delhi');
```

```
        system.debug('show me value'+ add);
        system.debug('show me value'+add.get('A')); // ONLY SHOW VALUE OF A -->NOIDA
       add.remove('b');
        system.debug('show me value'+ add);

        list<account> acclist=[select name from account];
        for(account a:acclist)
        {
            system.debug('show me a name of account '+ a.name);
        }

        map<id,account> accmap=new map<id,account>(acclist);
        system.debug(accmap);



    }
```

……

Task1:Create a list of employees with their names

```
public void task1()
    {
        //add employee name in a list

        list<string> employees=new list<string>(); //decalaation of a list

       employees.add('Tantul'); // add a value in a list
        employees.add('Nikhil');
        employees.add('Manisha');
        employees.add('Pallavi');
        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);
    }
```

Task2 Create a list of employees with their id and name using Map.Id is integer data type and string is Name

Task3:Insert data in a Table with the list.

```
 public void task3()
   {
      list<trainee_info__c> trlist=new list<trainee_info__c>
      {
         new trainee_info__c(name='t@gmail.com',empno__c=101,empname__c='Tantul'),
         new trainee_info__c(name='m@gmail.com',empno__c=102,empname__c='manisha'),
         new trainee_info__c(name='kl@gmail.com',empno__c=103,empname__c='Kiran')
      };


         insert trlist;
      for(trainee_info__c c:trlist)
      {
         system.debug('show me record id '+c.id);
      }

   }
```

……..

Example on Map method using Map declaration and Adding mao to map

```
public void mapmethod( string k)
   {
       map<string,string> map1=new map<string,string>();
       map1.put('A','Noida');
       map1.put('b','Agra');
       map1.put('c','delhi');
      /* system.debug('show me value'+ add);
       system.debug('show me value'+add.get('A')); // ONLY SHOW VALUE OF A -->NOIDA
      add.remove('b');
       system.debug('show me value'+ add);

       list<account> acclist=[select name from account];
       for(account a:acclist)
       {
          system.debug('show me a name of account '+ a.name);
       }

       map<id,account> accmap=new map<id,account>(acclist);
       system.debug(accmap);*/
       map<string,string> map2=new
map<string,string>{'40'=>'Tantul','50'=>'Shuchi','60'=>'kIRAN'};
          system.debug('show map value 2 '+map2);
       map1.putall(map2);
          system.debug('show map value both '+map1);

       if(map1.containskey(k))
       {
          system.debug(map1.get(k));
       }
```

```
        else
        {
            system.debug('error no key');
        }




    }
```

……..