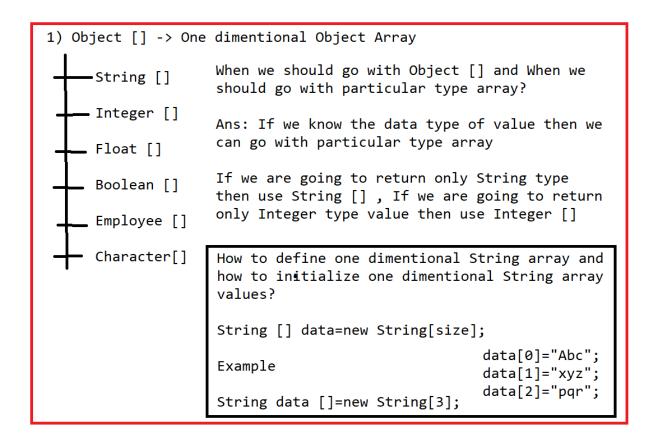
Q. What will happen if we are not providing name to dataprovider method? Ans: If we are not providing name to data provider method then we will get exception in Test method because for Test method dataProvider name is required but we can overcome this probelm by using name of dataprovider method in Test method

## Parameter of Test method and Return type of DataProvider

DataProvider method can have following types of return type

- 1) Object[] -> One dimentional
- 2) Object [][] -> Multi Dimential Array
- 3) Iterator<Object> -> For Collection type
- 4) Iterator<Object[]>



```
@DataProvider
public String[] loginData()
{
   String []data=new String[3];
   data[0]="Abc";
   data[1]="xyz";
   data[2]="pqr";
   return data;
}
```

```
Another Approach to define and initialize one dimentional Array

String data[] =new String []{"Abc","Pqr","xyz"};

Or

String data[] =new String []{

"Abc",
"Pqr",
"xyz"};

How to use data in Test method which are suplied by DataProvider

@Test
public void loginTest(String s)
{

System.out.println(s);
}
```

```
When we should go with Object [] ?
Ans: If we don't know value type or we are passing mix kind of values to Test method then we should go with Object[]

@DataProvider public Object[] loginData() {
    Object [] data=new Object[]{101,100.100,'C',"Abc"};
}

@Test public void loginTest(Object obj) {
    System.out.println(obj);
}
```

```
2) Object [][] -> Multi Dimential Array

String[][]
If we know type of value,
then we should go with
particular type array

Float[][]

If we don't know type of value or
we are passing mixec type of values
to Test method then we should go with
Object array
```

## Type 4: Iterator<Object[]>

```
Iterator<Object[]>
@DataProvider()
   public Iterator<String[]> loginData()
   {
      List<String[]> list=new ArrayList<>();

      String arr2[]=new String[] {"mm","ggg","jj"};
      String arr3[]=new String[] {"pppp","aaa","qqqq"};

      list.add(new String[] {"123","xyz","KKK"});
      list.add(arr2);
      list.add(arr3);
      return list.iterator();
    }
```