Dt : 16/8/2023(Offline and Online)

Diagram:


```
city=null
state=null
pinCode=0
void
getEmpAd()
{

}
```
0x3
(EmpAddress-Object)

```
empId=null
empName=null
empDesg=null
ea = 0x3
ec = 0x4
void getEmpl()
{


}
```
0x2
Employee e = new Employee();

```
mailId=null
phNo=0
void
getEmpCont()
{

}
```
0x4
(EmpContact-Object)
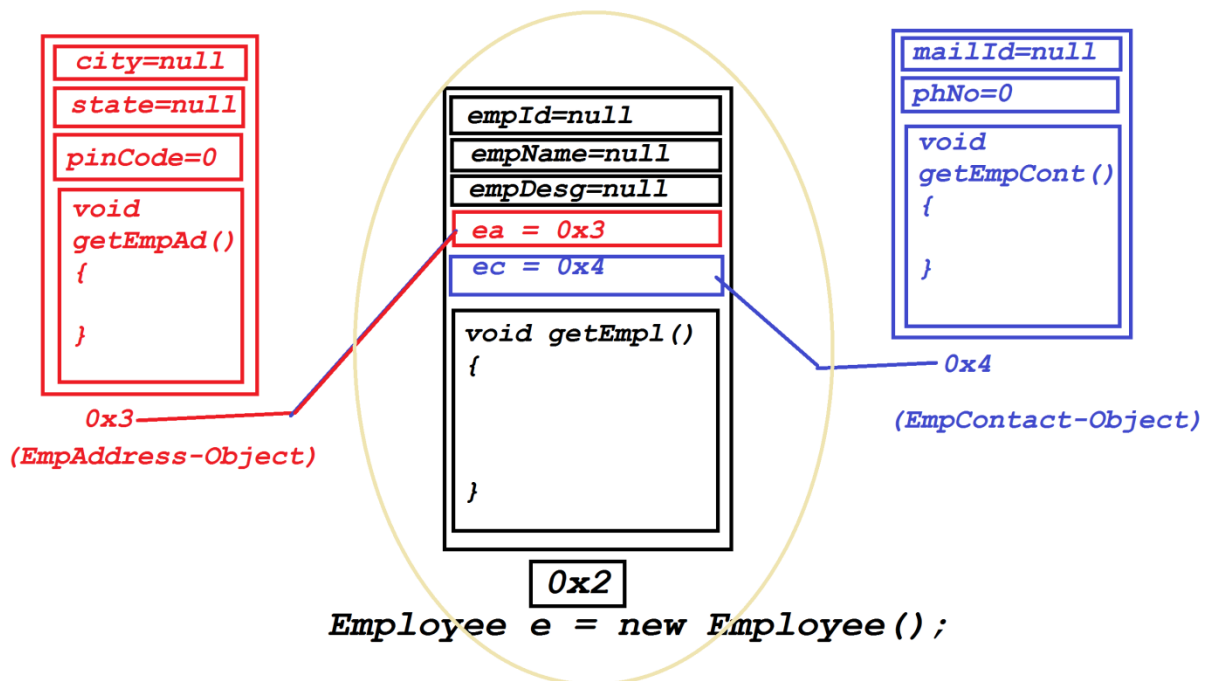
Note:

=>Employee-Object will hold references of EmpAddress and EmpContact

Objects.

===

Ex-Program:

Project_name : References_App3

packages,

p1 : BookDetails.java

```java
package p1;
public class BookDetails {
    public String bCode,bName,bAuthor;
    public float bPrice;
    public int bQty;
    public void getBookDetails() {
        System.out.println("====BookDetails====");
        System.out.println("BookCode:"+bCode);
        System.out.println("BookName:"+bName);
        System.out.println("BookPrice:"+bPrice);
        System.out.println("BookQty:"+bQty);

    }
}
```

p1 : CreateBook.java

```java
package p1;
public class CreateBook
{
    public BookDetails create(String bCode,String bName,
        String bAuthor,
        float bPrice,int bQty)
    {
    BookDetails bd = new BookDetails();
    bd.bCode=bCode;
    bd.bName=bName;
    bd.bAuthor=bAuthor;
    bd.bPrice=bPrice;
    bd.bQty=bQty;
    return bd;
    }
}
```

p1 : DisplayBookDetails.java

```java
package p1;
public class DisplayBookDetails
{
    public void dis(BookDetails bd)
    {
        bd.getBookDetails();
    }
}
```

p2 : DemoRef3.java(MainClass)

```java
package p2;
import java.util.*;
import p1.*;
public class DemoRef3 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.println("Enter the BookCode:");
        String bC = s.nextLine();
        System.out.println("Enter the BookName:");
        String bN = s.nextLine();
        System.out.println("Enter the BookAuthor:");
        String bA = s.nextLine();
        System.out.println("Enter the BookPrice:");
        float bP = s.nextFloat();
        System.out.println("Enter the BookQty:");
        int bQ = s.nextInt();

        CreateBook cb = new CreateBook();
        BookDetails bd = cb.create(bC, bN, bA, bP, bQ);
          //Method returns BookDetails-Object reference

        DisplayBookDetails dbd = new
DisplayBookDetails();
        dbd.dis(bd);
          //Method is passed with BookDetails-Object
reference
          //as parameter
        s.close();
    }
```

```
    }
```

o/p:

Enter the BookCode:

A111

Enter the BookName:

CoreJava

Enter the BookAuthor:

XYZ

Enter the BookPrice:

1234.56

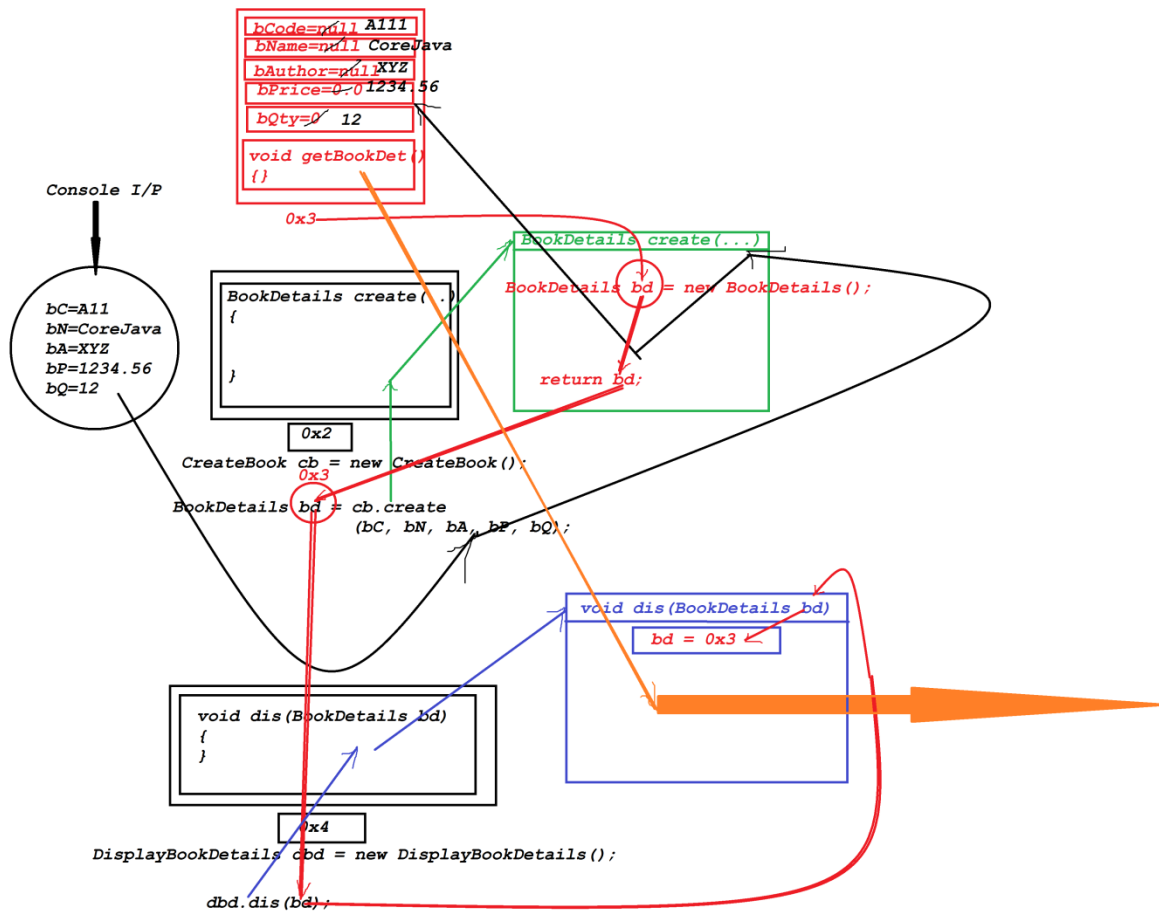Enter the BookQty:

12

====BookDetails====

BookCode:A111

BookName:CoreJava

BookPrice:1234.56

BookQty:12

Diagram:

===

Note:

  =>we can pass Object-references as parameters to methods ,and the methods

can return Object-references.

===