

## Lab9-Assignment

**Name: M BHAGYALAXMI**

**Student id: AF0339449**

1) Define a class Invoice with the following datamebers and methods

invoiceId : invl

invoicePrice : 2300.50

vendorName : vendorl

invoiceName : abc ltd.

location : Pune

add a default constructor

define follwing methods

addInvoice() - read from user

displayInvoice() - display all datamebers

create array objects to store 'n' no. of invoices

```
package com.wrapperclass.examples;
import java.util.Scanner;
public class Invoice {
    public int invId;
    public String invname, vendname, location;
    public float invprice;
    public Invoice() { }

    public void addInvoice()
    {
        Scanner obj = new Scanner(System.in);
        System.out.println("Enter Invoice id");
        invId=obj.nextInt();
        System.out.println("Enter invoice name and
vendor name and location");
        invname=obj.next();
```

```

        vendname=obj.next();
        location =obj.next();
        System.out.println("Enter price");
        invprice=obj.nextFloat();

    }
    public void displayInvoice()
    {
        System.out.println("\n"+ invid +"\t" + invname
+" \t" + vendname + "\t"+ location+ "\t" + invprice);

    }

}

```

```

package com.wrapperclass.examples;
import java.util.Scanner;
public class ArrayOfObjects {
    public static void main(String args[])
    {
        Scanner input = new Scanner(System.in);
        System.out.println("Enter the number of invoices
(n): ");
        int n = input.nextInt();
        //creating an array
        Invoice[] invoices = new Invoice[n];

        for (int i = 0; i < n; i++) {
            invoices[i] = new Invoice();
            System.out.println("Enter details for Invoice
" + (i + 1) + ":");
            invoices[i].addInvoice();
        }

        System.out.println("All Invoices:");
        for (int i = 0; i < n; i++) {

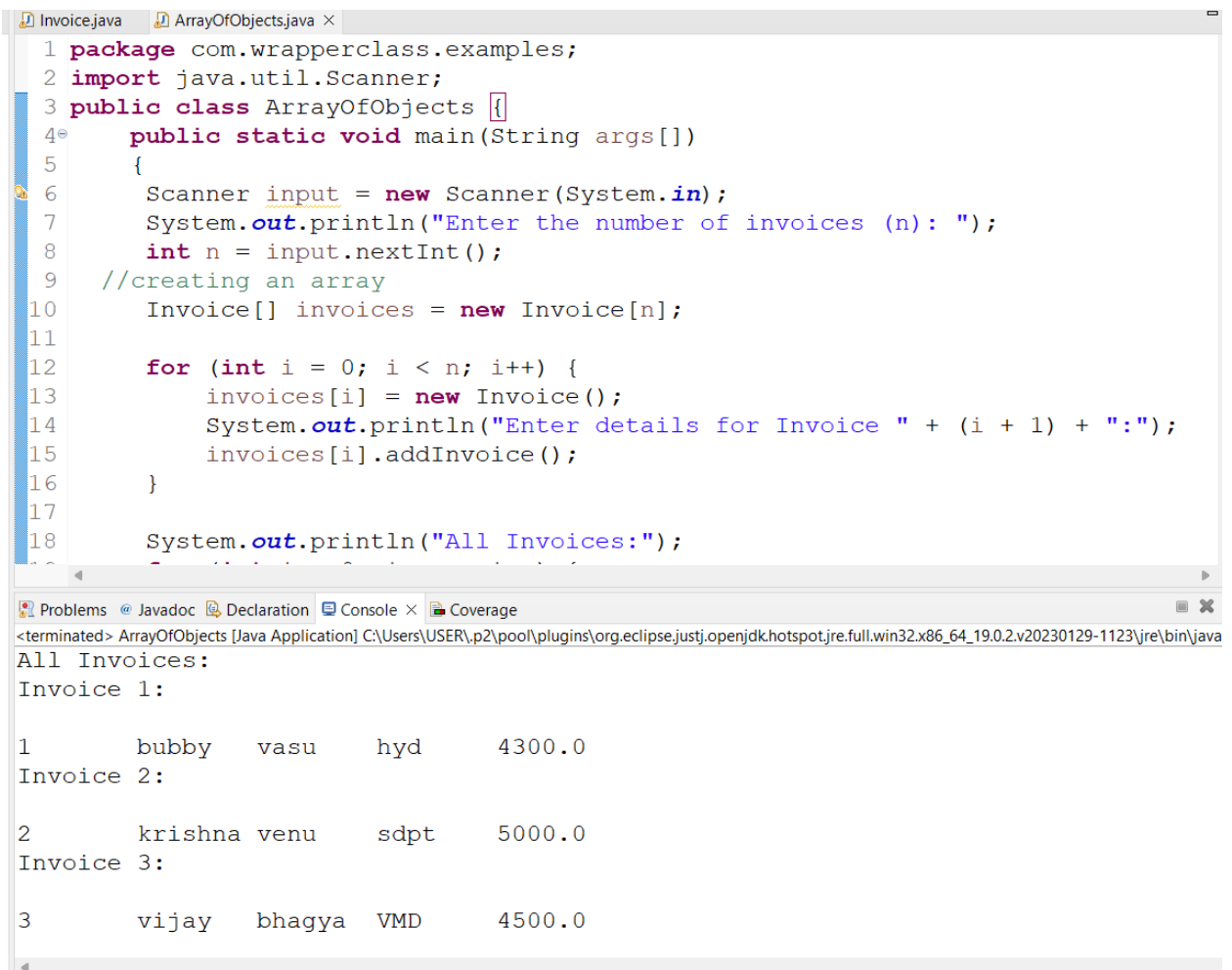
```

```

        System.out.println("Invoice " + (i + 1) +
":");
        invoices[i].displayInvoice();}
    }
}

```

## Output:



The screenshot shows the Eclipse IDE with two tabs: 'Invoice.java' and 'ArrayOfObjects.java'. The 'ArrayOfObjects.java' tab is active, displaying the following code:

```

1 package com.wrapperclass.examples;
2 import java.util.Scanner;
3 public class ArrayOfObjects {
4     public static void main(String args[])
5     {
6         Scanner input = new Scanner(System.in);
7         System.out.println("Enter the number of invoices (n): ");
8         int n = input.nextInt();
9         //creating an array
10        Invoice[] invoices = new Invoice[n];
11
12        for (int i = 0; i < n; i++) {
13            invoices[i] = new Invoice();
14            System.out.println("Enter details for Invoice " + (i + 1) + ":");
15            invoices[i].addInvoice();
16        }
17
18        System.out.println("All Invoices:");

```

Below the code editor, the 'Console' tab is active, showing the output of the program:

```

<terminated> ArrayOfObjects [Java Application] C:\Users\USER\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\java
All Invoices:
Invoice 1:

1      bubbby   vasu    hyd     4300.0
Invoice 2:

2      krishna  venu    sdpt    5000.0
Invoice 3:

3      vijay    bhagya  VMD     4500.0

```