Assignment

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Define a class Invoice with the following datamebers and methods
invoiceId : inv1

invoicePrice : 2300.50

vendorName : vendor1

invoiceName : abc ltd.

location : Pune

add a default constructor

define follwing methods

addInvoice() - read from user

displayInvoice() - display all datamebers

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

Program

```
package javapractice;
import java.util.Scanner;

public class Invoice {
//data members
String invoiceId;
double invoicePrice;
String vendorName;
String invoiceName;
String location;
//default constructer
public Invoice() {
this.invoiceId = "inv1";
this.invoicePrice = 2300.50;
this.vendorName = "vendor1";
this.invoiceName = "abc ltd.";
this.location = "Pune";
}
```

```
// to add another one invoice.creating an another method to take
input from user.

public void addInvoice() {
Scanner input = new Scanner(System.in);
System.out.print("Enter invoiceId: ");
this.invoiceId = input.next();
System.out.print("Enter invoicePrice: ");
this.invoicePrice = input.nextDouble();
System.out.print("Enter vendorName: ");
this.vendorName = input.next();
System.out.print("Enter invoiceName: ");
this.invoiceName = input.next();
System.out.print("Enter location: ");
this.location = input.next();
}
//for displaying
public void displayInvoice() {
System.out.println("Invoice ID: " + this.invoiceId);
System.out.println("Invoice Price: " + this.invoicePrice);
System.out.println("Vendor Name: " + this.vendorName);
System.out.println("Invoice Name: " + this.invoiceName);
System.out.println("Location: " + this.location);
}

public static void main(String[] args) {
//taking no of invoices from user
Scanner input = new Scanner(System.in);
System.out.print("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:

```
Enter the number of invoices (n):
3
Enter details for Invoice 1:
Enter invoiceId:
1002
Enter invoicePrice:
23000
Enter vendorName:
VENKAT
Enter invoiceName:
teja
Enter location:
Pune
Enter details for Invoice 2:
Enter invoiceId:
1003
Enter invoicePrice:
24000
Enter vendorName:
raju
Enter invoiceName:
tom
Enter location:
hyd
Enter details for Invoice 3:
Enter invoiceId:
1004
Enter invoicePrice:
25500
Enter vendorName:
ram
Enter invoiceName:
tinku
Enter location:
delhi
All Invoices:
Invoice 1:
Invoice ID: 1002
Invoice Price: 23000.0
Vendor Name: VENKAT
Invoice Name: teja
Location: Pune
Invoice 2:
Invoice ID: 1003
Invoice Price: 24000.0
Vendor Name: raju
Invoice Name: tom
Location: hyd
Invoice 3:
Invoice ID: 1004
Invoice Price: 25500.0
Vendor Name: ram
Invoice Name: tinku
Location: delhi
```