

**Assignment-1.** Define a class Invoice with the following datamebers and method

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

```
package Arrays;
import java.util.Scanner;
public class Invoice
{
    String invoiceId;
    double invoicePrice;
    String vendorName;
    String invoiceName;
    String location;

    // Default constructor
    public Invoice() { }

    public void addInvoice() {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter Invoice ID: ");
        invoiceId = scanner.next();

        System.out.print("Enter Invoice Price: ");
        invoicePrice = scanner.nextDouble();

        System.out.print("Enter Vendor Name: ");
        vendorName = scanner.next();

        System.out.print("Enter Invoice Name: ");
        invoiceName = scanner.next();

        System.out.print("Enter Location: ");
        location = scanner.next();
    }

    public void displayInvoice() {
        System.out.println("Invoice ID: " + invoiceId);
        System.out.println("Invoice Price: " + invoicePrice);
        System.out.println("Vendor Name: " + vendorName);
        System.out.println("Invoice Name: " + invoiceName);
        System.out.println("Location: " + location);
        System.out.println();
    }

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
```

```

System.out.print("Enter the number of invoices: ");
int n = scanner.nextInt();

Invoice[] invoices = new Invoice[n];

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

System.out.println("\nDisplaying Invoices:");
for (int i = 0; i < n; i++)
{
    System.out.println("\nDetails for Invoice " + (i + 1) + ":");
    invoices[i].displayInvoice();
}
}
}

```

### Output:



```

Enter the number of invoices: 2
Enter details for Invoice 1:
Enter Invoice ID: 1
Enter Invoice Price: 489
Enter Vendor Name: uday
Enter Invoice Name: abc
Enter Location: hyderabad
Enter details for Invoice 2:
Enter Invoice ID: 2
Enter Invoice Price: 450
Enter Vendor Name: bhanu
Enter Invoice Name: xyz
Enter Location: siddipet
}
Displaying Invoices:

Details for Invoice 1:
Invoice ID: 1
Invoice Price: 489.0
Vendor Name: uday
Invoice Name: abc
Location: hyderabad

Details for Invoice 2:
Invoice ID: 2
Invoice Price: 450.0
Vendor Name: bhanu
Invoice Name: xyz
Location: siddipet
}
}
invoices[i].addInvoice();

```