

## Slip 9

### 10 Marks:

```
java
Copy code
import java.io.*;

class SortCommandArgs {
    public static void main(String[] args) {
        int n = args.length;
        int[] numbers = new int[n];

        for (int i = 0; i < n; i++) {
            numbers[i] = Integer.parseInt(args[i]);
        }

        int temp;
        for (int i = 0; i < n; i++) {
            for (int j = i + 1; j < n; j++) {
                if (numbers[i] > numbers[j]) {
                    temp = numbers[i];
                    numbers[i] = numbers[j];
                    numbers[j] = temp;
                }
            }
        }

        System.out.println("Sorted numbers:");
        for (int number : numbers) {
            System.out.print(number + " ");
        }
    }
}
```

### 20 Marks:

```
java
Copy code
import java.io.*;

abstract class Order {
    String id, description, customerName, vendorName;

    public void accept() throws IOException {
        BufferedReader br = new BufferedReader(new
InputStreamReader(System.in));
        System.out.println("Enter ID, Description, Customer Name, and Vendor
Name:");
        id = br.readLine();
        description = br.readLine();
        customerName = br.readLine();
        vendorName = br.readLine();
    }
}
```

```

        public void display() {
            System.out.println("ID: " + id);
            System.out.println("Description: " + description);
            System.out.println("Customer Name: " + customerName);
            System.out.println("Vendor Name: " + vendorName);
        }
    }

    class PurchaseOrder extends Order {}

    class SalesOrder extends Order {}

    public class Main {
        public static void main(String[] args) throws IOException {
            BufferedReader br = new BufferedReader(new
InputStreamReader(System.in));
            System.out.println("Enter 1 for Purchase Order, 2 for Sales Order:");
            int choice = Integer.parseInt(br.readLine());

            Order[] orders = new Order[3];
            for (int i = 0; i < 3; i++) {
                orders[i] = (choice == 1) ? new PurchaseOrder() : new
SalesOrder();
                orders[i].accept();
            }

            for (Order order : orders) {
                order.display();
            }
        }
    }
}

```