

Object Oriented Programming 1

a. Sum of array elements

Aim:

To write a java program to create a class Employee with the following details. The data members of the class are name, address, age, gender and the class contains the method display() to show employee details.

Code:

```
package exp6;

import java.util.Scanner;

public class Employee_details {
    static class Employee {
        String name;
        String address;
        String gender;
        int age;

        Employee(){
            try (Scanner input = new Scanner(System.in)) {
                System.out.print("Enter name: ");
                this.name = input.nextLine();
                System.out.print("Enter address: ");
                this.address = input.nextLine();
                System.out.print("Enter age: ");
                this.age = input.nextInt();
                input.nextLine();
                System.out.print("Enter gender: ");
                this.gender = input.nextLine();
            }
        }

        void display(){
            System.out.println("Name: " + this.name);
            System.out.println("Address: " + this.address);
            System.out.println("Age: " + this.age);
        }
    }
}
```

```
        System.out.println("Gender: " + this.gender);
    }
}

public static void main(String[] args) {
    Employee emp = new Employee();
    emp.display();
}
}
```

Output:

```
Enter name: kishore
Enter address: cbe
Enter age: 19
Enter gender: male
Name: kishore
Address: cbe
Age: 19
Gender: male
```

b. Sum of maximum and minimum element

Aim:

To write a java program to create classes that capture bank customers and bank accounts. A customer has a first and last name. An account has a customer and balance. Instantiate objects for two accounts held by the same customer.

Code:

```
package exp6;

public class Bank {
    static class Customer{
        String first_name;
        String last_name;

        Customer(String first_name, String last_name){
```

```
        this.first_name = first_name;
        this.last_name = last_name;
    }

    void display(){
        System.out.println("First name: " + this.first_name);
        System.out.println("Last name: " + this.last_name);
    }
}

static class Account{
    Customer holder;
    float balance;

    Account(Customer holder, float balance){
        this.holder = holder;
        this.balance = balance;
    }

    void display(){
        holder.display();
        System.out.println("Balance: " + this.balance);
    }
}

public static void main(String[] args) {
    Customer cust = new Customer("Coyote", "Stark");
    Account acc1 = new Account(cust, 100000);
    Account acc2 = new Account(cust, 200000);
    acc1.display();
    acc2.display();
}
}
```

Output:

```
First name: Coyote
Last name: Stark
Balance: 100000.0
First name: Coyote
Last name: Stark
```

Balance: 200000.0

Result:-

Thus, the programs were successfully executed and verified.