

23BAI1117 – BCSE103E – Java

09/09/2024 – Day7 – Theory

<https://github.com/sriram-s-23BAI1117/javap>

Exercise on 9-9-24

An Employee class has four parameters (name: String, mobile-number: String, year of joining: integer and age: integer) which are initialized using a constructor. This class also has a employeeDisplay() method that prints all these details of an employee. A Manager class inherits Employee class along with an additional parameter named "department: String". The constructor of this class initializes its own parameter along with the Employee class parameters using both super() and this. It also has a method named as managerDisplay() that prints all the five parameters of the Manager class. Create an object of the Manager class and print the details of a Manager as explained above. Input Format: In the first line, enter the name of the employee. In the second line, enter the mobile number

Code:

```
import java.util.Scanner;

class Employee {
    protected String name;
    protected String mobileNumber;
    protected int yearOfJoining;
    protected int age;

    public Employee(String name, String mobileNumber, int yearOfJoining, int age){
        this.mobileNumber = mobileNumber;
        this.name = name;
        this.yearOfJoining = yearOfJoining;
        this.age = age;
    }

    public void employeeDisplay(){
        System.out.println("Name: " + name);
        System.out.println("Mobile number: " + mobileNumber);
        System.out.println("Year of joining: " + yearOfJoining);
        System.out.println("Age: " + age);
    }
}

class Manager extends Employee{
    private String department;
    public Manager(String name, String mobileNumber, int yearOfJoining, int age, String department){
```

```

        super(name, mobileNumber, yearOfJoining, age);
        this.department = department;
    }
    public void managerDisplay(){
        employeeDisplay();
        System.out.println("Department: "+ department);
    }
}

public class Exercise{
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.print("Enter the name of the Manager: ");
        String name = input.nextLine();
        System.out.print("Enter the mobile number of the Manager: ");
        String mobnum = input.nextLine();
        System.out.print("Enter the year of joining of the Manager: ");
        int yoj = input.nextInt();
        System.out.print("Enter the age of the Manager: ");
        int age = input.nextInt();
        System.out.print("Enter the department of the manager: ");
        input.nextLine();
        String depart = input.nextLine();

        Manager myManager = new Manager(name, mobnum, yoj, age, depart);
        myManager.managerDisplay();
        input.close();
    }
}

```

Output:

```

PS D:\javap\javap> d:; cd 'd:\javap\javap'; & 'C:\Program Files\Java\jdk-21\bin\
de\User\workspaceStorage\df070269114bad7e7ee0ccada7d67122\redhat.java\jdt_ws\java
Enter the name of the Manager: Severes Snape
Enter the mobile number of the Manager: 9098343212
Enter the year of joining of the Manager: 2012
Enter the age of the Manager: 54
Enter the department of the manager: Human Resources
Name: Severes Snape
Mobile number: 9098343212
Year of joining: 2012
Age: 54
Department: Human Resources

```