

Progressive Education Society’s

**MODERN COLLEGE OF ENGINEERING, Pune -05.**

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

**MCA Department**

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| **Class: FYMCA Div: A Semester: II** | **Course Code: MCA01554**  **Course Name: Java Programming Laboratory** | | **Batch: F1** |
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| **CO No: CO515.1** | | **Assignment No: 1** | |

**PRACTICAL SUBMISSION RECORD- A.Y. 2024-25**

**Title**: Create a hierarchy of Employee, Manager, Sales Manager, they should have the following functionality:

1. Employee: Display name, date of birth and id of Employee.
2. Manager: Display all above information with salary drawn.
3. Sales Manager: Display all above information and commission if applicable.

# Code:

import java.util.Scanner; class Employee {

int id;

String name;

int day, month, year;

Employee(int id, String name, int dd, int mm, int yy) { this.id = id;

this.name = name; this.day = dd; this.month = mm; this.year = yy;

}

int getId() { return id;

}

String getName() { return this.name;

}

String getDate() {

return day + "/" + month + "/" + year;

}

void displayEmpInfo() {

System.out.println("-------Employee Information----"); System.out.println("Emp Id:" + getId()); System.out.println("Emp Name:" + getName()); System.out.println("Date of joining:" + getDate());

}

}

class Manager extends Employee { double salary;

Manager(int id, String name, int day, int month, int year, double sal) { super(id, name, day, month, year);

this.salary = sal;

}

double getSalary() { return salary;

}

void displayEmpInfo() { super.displayEmpInfo();

System.out.println("Employee Salary:" + getSalary());

}

}

class SaleManager extends Manager{ int commision;

SaleManager(int id,String name,int day,int month,int year,double salray,int commision){ super(id, name, day, month, year, salray);

this.commision=commision;

}

int getCommision(){ return commision;

}

void displayEmpInfo(){ super.displayEmpInfo();

System.out.println("Employee Commision:"+getCommision());

}

}

public class Question1 {

public static void main(String[] args) { Scanner sc = new Scanner(System.in); System.out.println("hwllo world");

int id, day, month, year; String name;

System.out.println("Enter Employee Id:");

id = sc.nextInt(); sc.nextLine();

System.out.println("Enter Employee Name:"); name = sc.nextLine();

System.out.println("Enter Employee birth Day:"); day = sc.nextInt();

System.out.println("Enter Employee birth Month:"); month = sc.nextInt();

System.out.println("Enter Employee birth year:"); year = sc.nextInt();

System.out.println("Enter Employee Salary:"); double sal = sc.nextInt();

System.out.println("Enter Employee commision:"); int com = sc.nextInt();

SaleManager e1 = new SaleManager(id, name, day, month, year, sal,com); e1.displayEmpInfo();

}

}

# Output:

