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```java
import java.util.Scanner;

class Person {
    String name;
    int age;
    String gender;

    Person(String name,int age,String gender)
    {
        this.name=name;
        this.age=age;
        this.gender=gender;
    }

    void display()
    {
        System.out.println("Name:"+name);
        System.out.println("Age"+age);
        System.out.println("Gender:"+gender);
    }
    public static void main(String args[])
    {
        Employee[] employees=new Employee[5];
        Student[] students=new Student[5];
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Employee Details:");
        for(int i=0;i<5;i++)
        {
            System.out.println("Employee:"+(i+1)+":");
            System.out.print("Enter name:");
            String name=sc.nextLine();

            System.out.print("Enter age:");
            int age=sc.nextInt();
            sc.nextLine();

            System.out.print("Enter gender:");
            String gender=sc.nextLine();

            System.out.print("Enter employee id:");
            int emp_id=sc.nextInt();
            sc.nextLine();

            System.out.print("Enter department:");
            String department=sc.nextLine();
```

```java
            System.out.print("Enter salary:");
            double salary=sc.nextDouble();
            sc.nextLine();

            employees[i]=new
Employee(name,age,gender,emp_id,department,salary);
        }

        //Input for students
        System.out.println("Student Details");
        for(int i=0;i<5;i++)
        {
            System.out.println("Student:"+(i+1)+":");
            System.out.print("Enter name:");
            String name=sc.nextLine();

            System.out.print("Enter age:");
            int age=sc.nextInt();
            sc.nextLine();

            System.out.print("Enter marks:");
            double marks=sc.nextDouble();
            sc.nextLine();

            System.out.print("Enter gender:");
            String gender=sc.nextLine();

            System.out.print("Enter USN:");
            String usn=sc.nextLine();

            System.out.print("Enter branch:");
            String branch=sc.nextLine();

            students[i]=new Student(name,age,gender,usn,marks,branch);
        }

        System.out.println("Employee Details:");
        for(Employee emp:employees)
        {
            emp.display();
            System.out.println();
        }

        System.out.println("Student Details:");
        for(Student stu:students)
        {
            stu.display();
            System.out.println();
        }

        Employee.highestSalary(employees);
        Student.findTopper(students);
```

```java
            sc.close();


        }
}

class Employee extends Person{
    int emp_id;
    String department;
    double salary;

    Employee(String name,int age,String gender,int emp_id,String
department,double salary)
    {
        super(name,age,gender);
        this.emp_id=emp_id;
        this.department=department;
        this.salary=salary;
    }

    @Override
    void display()
    {
        super.display();
        System.out.println("Emp ID"+this.emp_id);
        System.out.println("Department:"+this.department);
    }

    static void highestSalary(Employee[] employees)
    {
        double highest=-1;
        String highestPaidEmployee="";
        String department="";
        int age=0;
        for(Employee emp:employees)
        {
            if(emp.salary>highest)
            {
                highest=emp.salary;
                highestPaidEmployee=emp.name;
                department=emp.department;
                age=emp.age;
            }
        }
        System.out.print("Highest Paid
Employee:\nName:"+highestPaidEmployee+"\nDepartment:"+department+"\nAge:"+age);
    }
}

class Student extends Person{
    String usn;
    double marks;
    String branch;
```

```java
    Student(String name,int age,String gender,String usn,double marks,String
branch)
    {
        super(name,age,gender);
        this.usn=usn;
        this.marks=marks;
        this.branch=branch;
    }

    @Override
    void display()
    {
        super.display();
        System.out.println("USN:"+this.usn);
        System.out.println("Marks:"+this.marks);
        System.out.println("Branch:"+this.branch);
    }

    static void findTopper(Student[] students)
    {
        double highest=0.0;
        String topperName="";
        String branch="";
        int age=0;
        for(Student stud:students)
        {
            if(stud.marks>highest)
            {
                highest=stud.marks;
                topperName=stud.name;
                branch=stud.branch;
                age=stud.age;
            }


        }
        System.out.println("\nTopper
Details:\nName:"+topperName+"\nMarks:"+highest+"\nDepartment:"+branch+"\nAge:"+
age);
    }
}
```

Output:

```
Enter Employee Details:
Employee:1:
Enter name:Suresh
Enter age:23
Enter gender:M
```

```
Enter employee id:101
Enter department:Marketing
Enter salary:50000
Employee:2:
Enter name:Ramesh
Enter age:23
Enter gender:M
Enter employee id:102
Enter department:R&D
Enter salary:60000
Employee:3:
Enter name:Harish
Enter age:23
Enter gender:M
Enter employee id:103
Enter department:HR
Enter salary:70000
Employee:4:
Enter name:Mahendra
Enter age:24
Enter gender:M
Enter employee id:104
Enter department:Purchase
Enter salary:100000
Employee:5:
Enter name:Shyam
Enter age:24
Enter gender:M
Enter employee id:105
Enter department:Finance
Enter salary:100000
Student Details
Student:1:
Enter name:Ram
Enter age:23
Enter marks:99
Enter gender:M
Enter USN:301
Enter branch:CSE
Student:2:
Enter name:Mohan
Enter age:24
Enter marks:98
Enter gender:M
Enter USN:302
Enter branch:CSE(AI&ML)
Student:3:
Enter name:Chethan
Enter age:24
Enter marks:94
Enter gender:M
Enter USN:303
Enter branch:ETE
```

```
Student:4:
Enter name:Rohan
Enter age:23
Enter marks:99.5
Enter gender:M
Enter USN:304
Enter branch:CSE(CY)
Student:5:
Enter name:Manish
Enter age:23
Enter marks:92
Enter gender:M
Enter USN:305
Enter branch:ME
Employee Details:
Name:Suresh
Age23
Gender:M
Emp ID101
Department:Marketing

Name:Ramesh
Age23
Gender:M
Emp ID102
Department:R&D

Name:Harish
Age23
Gender:M
Emp ID103
Department:HR

Name:Mahendra
Age24
Gender:M
Emp ID104
Department:Purchase

Name:Shyam
Age24
Gender:M
Emp ID105
Department:Finance

Student Details:
Name:Ram
Age23
Gender:M
USN:301
Marks:99.0
Branch:CSE
```

```
Name:Mohan
Age24
Gender:M
USN:302
Marks:98.0
Branch:CSE(AI&ML)

Name:Chethan
Age24
Gender:M
USN:303
Marks:94.0
Branch:ETE

Name:Rohan
Age23
Gender:M
USN:304
Marks:99.5
Branch:CSE(CY)

Name:Manish
Age23
Gender:M
USN:305
Marks:92.0
Branch:ME

Highest Paid Employee:
Name:Mahendra
Department:Purchase
Age:24

Topper Details:
Name:Rohan
Marks:99.5
Department:CSE(CY)
Age:23
```