

Navya Baby – PL 2128  
MACHINE TEST SET 2

```
CREATE TABLE Employee (  
    EmpId int primary key,  
    EmployeeName varchar(100),  
    area_code varchar(10),  
    phone varchar(20),  
    email varchar(100)  
);
```

```
CREATE TABLE Manufacturer (  
    MfName VARCHAR(50) primary key,  
    city varchar(50),  
    state varchar(50)  
);
```

```
CREATE TABLE Computer (  
    SerialNumber int primary key,  
    Model varchar(50),  
    weight decimal(10, 2),  
    usage varchar(20),  
    EmpId int,  
    MfName varchar(50),  
    foreign key (EmpId) references Employee(EmpId),  
    foreign key (MfName) references Manufacturer(MfName)  
);
```

```
INSERT INTO Manufacturer (MfName, city, state)  
VALUES  
    ('riya', 'south dakota', 'africa'),  
    ('ron', 'palakkad', 'india'),  
    ('Manu', 'ernakulam', 'kerala');
```

```
INSERT INTO Computer (SerialNumber, Model, weight, EmpId, MfName)  
VALUES  
    (101, 'ComputerModel1', 10.5, 1, 'riya'),  
    (102, 'ComputerModel2', 8.2, 2, 'ron'),  
    (103, 'ComputerModel3', 12.7, 3, 'riya');
```

```
INSERT INTO Employee (EmpId, EmployeeName, area_code, phone, email)
VALUES
```

```
(1, 'navya', '202', '9987675423', 'navya@gmail.com'),
(2, 'base Smith', '212', '9876456342', 'base@gmail.com'),
(3, 'Mike', '415', '7864536789', 'mike@gmail.com');
```

```
--1
```

```
select Mfname from manufacturer
where state='South dakota'
```

```
--2
```

```
select avg(weight) from computer
```

```
--3
```

```
select EmployeeName from Employee
where area_code like '2%'
```

```
--4
```

```
select serialNumber from computer
where weight < ( select avg(weight)
                  from computer)
```

```
--5
```

```
select MfName from MANUFACTURER
WHERE MfName NOT IN (select MfName FROM computer)
```

```
--6
```

```
select e.EmployeeName,c.SerialNumber,m.City from employee e
join computer c
on e.empid=c.empid
join manufacturer m
on c.mfname=m.mfname
```

```
--7
create procedure getcomputer
    @EmpId int
as
begin
    select c.SerialNumber, m.mfname, Model, weight
    from computer c
    join employee e
        on C.EmpId = E.EmpId
    join manufacturer m
        on c.MfName = M.MfName
    WHERE E.EmpId = @EmpId;
END;
exec getcomputer @empid=2
```