

Exercise 06

1. Display all the Suppliers with the same Status as the supplier, 'CLARK':

```
SELECT *
FROM Suppliers
WHERE Status = (SELECT Status FROM Suppliers WHERE SupplierName = 'CLARK');
```

2. Display all the Employees in the same department as the employee 'MILLER':

```
SELECT *
FROM Employees
WHERE DeptNo = (SELECT DeptNo FROM Employees WHERE EmployeeName = 'MILLER');
```

3. Display all the Parts which have more Weight than all the Red parts:

```
SELECT *
FROM Parts
WHERE Weight > ALL (SELECT Weight FROM Parts WHERE Color = 'Red');
```

4. Display all the Projects going on in the same city as the project 'TAPE':

```
SELECT *
FROM Projects
WHERE City = (SELECT City FROM Projects WHERE ProjectName = 'TAPE');
```

5. Display all the Parts with Weight less than all the Green parts:

```
SELECT *
FROM Parts
WHERE Weight < ALL (SELECT Weight FROM Parts WHERE Color = 'Green');
```

6. Display the name of the Supplier who has sold the maximum Quantity (in one sale):

```
SELECT SupplierName
FROM Sales
JOIN Suppliers ON Sales.SupplierID = Suppliers.SupplierID
WHERE Quantity = (SELECT MAX(Quantity) FROM Sales);
```

7. Display the name of the Employee with the minimum Salary:

```
SELECT EmployeeName
FROM Employees
WHERE Salary = (SELECT MIN(Salary) FROM Employees);
```

8. Display the name of the Supplier who has sold the maximum overall Quantity (sum of Sales):

```
SELECT SupplierName
FROM Suppliers
WHERE SupplierID = (SELECT SupplierID
                    FROM Sales
                    GROUP BY SupplierID
                    ORDER BY SUM(Quantity) DESC
                    LIMIT 1);
```

9. Display the name of the Department with the maximum number of Employees:

```
SELECT DeptName
FROM Departments
WHERE DeptNo = (SELECT DeptNo
                 FROM Employees
                 GROUP BY DeptNo
                 ORDER BY COUNT(*) DESC
                 LIMIT 1);
```