**First**

1. SELECT EmpNo, Name, LastName AS Surname FROM employees

WHERE Address LIKE '%Hama%' AND DATEDIFF(YEAR,HireDate,GETDATE()) >= 10

1. SELECT Name, LastName AS Surname FROM employees

WHERE (Degree = 2 AND Certificate = 'Eng') OR (Degree = 3 AND HireDate >= CAST('2003-05-25' AS date))

1. SELECT E.Name, E.LastName AS Surname

FROM employees E LEFT JOIN timetable TT ON TT.EmpNo = E.EmpNo

WHERE TT.EmpNo IS NULL

1. UPDATE employees SET Degree = (Degree + 1) WHERE DATEDIFF(YEAR,HireDate,GETDATE()) > 4
2. SELECT Degree, EmpNo FROM employees WHERE Degree > 21
3. SELECT Name, LastName AS Surname, Address, Certificate FROM employees

WHERE Address LIKE '%12[%]%'

**Second**

1. SELECT E.EmpNo, E.Name, E.LastName AS Surname, FORMAT(TT.StartWork,'dd/MM/yyyy') Date,

DATEDIFF(HOUR,TT.StartWork,TT.EndWork) Hours

FROM employees E INNER JOIN timetable TT ON TT.EmpNo = E.EmpNo

1. SELECT E.EmpNo, FORMAT(TT.StartWork,'MMM yyyy') Date,

SUM(DATEDIFF(HOUR,TT.StartWork,TT.EndWork)) Hours

FROM employees E INNER JOIN timetable TT ON TT.EmpNo = E.EmpNo

GROUP BY E.EmpNo, FORMAT(TT.StartWork,'MMM yyyy')

1. SELECT E.EmpNo, FORMAT(TT.StartWork,'MMM yyyy') Month,

SUM(DATEDIFF(HOUR,TT.StartWork,TT.EndWork)) \* 150 Salary

FROM employees E INNER JOIN timetable TT ON TT.EmpNo = E.EmpNo

GROUP BY E.EmpNo, FORMAT(TT.StartWork,'MMM yyyy')

1. SELECT E.EmpNo, FORMAT(TT.StartWork,'MMM yyyy') Month,

SUM(DATEDIFF(HOUR,TT.StartWork,TT.EndWork)) \* W.HourWages Salary

FROM employees E INNER JOIN timetable TT ON TT.EmpNo = E.EmpNo

INNER JOIN wages W ON W.Degree = E.Degree AND DATEDIFF(YEAR,E.HireDate,GETDATE()) BETWEEN W.LowYear AND W.HighYear

GROUP BY E.EmpNo, FORMAT(TT.StartWork,'MMM yyyy'), W.HourWages

**Fouth**

CREATE VIEW vw\_empSalary

AS

SELECT E.EmpNo, FORMAT(TT.StartWork,'MMM yyyy') Month,

SUM(CASE WHEN DATEDIFF(HOUR,TT.StartWork,TT.EndWork) <=8 THEN

(DATEDIFF(HOUR,TT.StartWork,TT.EndWork) \* W.HourWages) ELSE (((DATEDIFF(HOUR,TT.StartWork,TT.EndWork) - 8) \* 2 \* W.HourWages) +

8 \* W.HourWages) END) Salary

FROM employees E INNER JOIN timetable TT ON TT.EmpNo = E.EmpNo

INNER JOIN wages W ON W.Degree = E.Degree AND DATEDIFF(YEAR,E.HireDate,GETDATE()) BETWEEN W.LowYear AND W.HighYear

GROUP BY E.EmpNo, FORMAT(TT.StartWork,'MMM yyyy'), W.HourWages

**Fifth**

DECLARE @StartVal int = 15

DECLARE @EndVal int = 200;

Label:

WITH gen AS (

SELECT @StartVal AS val

UNION ALL

SELECT val + 15 FROM gen WHERE val + 15 <= @EndVal

)

SELECT \* FROM gen

IF (@StartVal = 15)

BEGIN

SET @StartVal = 8

GOTO Label;

END