```
1.Select top 10 records from Employee table where Emp_Sal > 10000

SELECT top (10) Emp_FName
       FROM Employee
       WHERE emp_sal > 10000

2.Retrieve Emp_Id, Emp_FName, Emp_Addr1, Emp_City, Emp_Zip, Dept_Name,
  Dept_City From Employee whose Department City is Brentwood. Use Table Alias

SELECT
    E.Emp_Id,
    E.Emp_FName,
    E.Emp_Addr1,
    E.Emp_City,
    E.Emp_Zip,
    E.Dept_Name,
    E.Dept_City
FROM
    Employee AS E
WHERE
    E.Dept_City = 'Brentwood';


3.Retrieve Emp_ID, Emp_Fname, Emp_Zip from Employee who are all working in
  department HR&Training and Compliance. Use embedded SQL statements

SELECT
    Emp_ID,
    Emp_FName,
    Emp_Zip
FROM
    Employee
WHERE
    Dept_Id = (
        SELECT Dept_Id
        FROM Department
        WHERE Dept_Name = 'HR&Training and Compliance'
    );

4.Retrieve Sum(Emp_Sal) and Dept_Name From Employee and Emp_Department by
  Dept_Name (Group By)

SELECT
    Dept_Name,
    SUM(Emp_Sal) AS Total_Salary
FROM
    Employee
JOIN
    Emp_Department ON Dept_Id = Dept_Id
```

```
GROUP BY
    Dept_Name;

5.Select 2nd highest salary from Employee table

SELECT MAX(Emp_Sal) AS Second_Highest_Salary
FROM Employee
WHERE Emp_Sal < (SELECT MAX(Emp_Sal) FROM Employee);


6. Rename a column Person_Name to P_Name in the table Person

ALTER TABLE Person
RENAME COLUMN Person_Name TO P_Name;

7.List down all the SQL constraints

-- Primary Key
-- Foreign Key
-- UNIQUE
-- CHECK
-- DEFAULT
-- Not NULL

8. Retrieve Emp_Id, Emp_FName, Emp_LName for location Zip_Code 88160

SELECT
    Emp_Id,
    Emp_FName,
    Emp_LName
FROM
    EMPLOYEE
JOIN
    EMP_DEPARTMENT ED ON Dept_ID = Dept_ID
WHERE
    Emp_Zip = 88160;

9. Write a query using Right Outer join to retrieve the data from Employee and
  Emp_Department table

    SELECT
    Emp_ID,
    Emp_FName,
    Emp_LName,
    Dept_ID,
    Dept_Name
FROM
    Employee
RIGHT OUTER JOIN
```

```
    Emp_Department ON Dept_ID = Dept_ID;

10. Write a query using Full Outer join to retrieve the data from Employee and
  Emp_Department tables

SELECT
    Emp_FName,
    Emp_LName,
    Emp_Addr1,
    Emp_Addr2,
    Emp_City,
    Emp_Zip,
    Emp_Sal,
    Dept_Name,
    Dept_City,
    Dept_State
FROM
    Employee
RIGHT OUTER JOIN
    Emp_Department ON Dept_Id = Dept_Id;

```