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1 1.Select top 10 records from Employee table where Emp_Sal > 10000
2
3 SELECT top (10) Emp_FName
4     FROM Employee
5     WHERE emp_sal > 10000
6
7 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
8
9 SELECT
10     E.Emp_Id,
11     E.Emp_FName,
12     E.Emp_Addr1,
13     E.Emp_City,
14     E.Emp_Zip,
15     E.Dept_Name,
16     E.Dept_City
17 FROM
18     Employee AS E
19 WHERE
20     E.Dept_City = 'Brentwood';
21
22
23 3.Retrieve Emp_ID, Emp_Fname, Emp_Zip from Employee who are all working in
   department HR&Training and Compliance. Use embedded SQL statements
24
25 SELECT
26     Emp_ID,
27     Emp_FName,
28     Emp_Zip
29 FROM
30     Employee
31 WHERE
32     Dept_Id = (
33         SELECT Dept_Id
34         FROM Department
35         WHERE Dept_Name = 'HR&Training and Compliance'
36     );
37
38 4.Retrieve Sum(Emp_Sal) and Dept_Name From Employee and Emp_Department by
   Dept_Name (Group By)
39
40 SELECT
41     Dept_Name,
42     SUM(Emp_Sal) AS Total_Salary
43 FROM
44     Employee
45 JOIN
46     Emp_Department ON Dept_Id = Dept_Id

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47 GROUP BY
48     Dept_Name;
49
50 5. Select 2nd highest salary from Employee table
51
52 SELECT MAX(Emp_Sal) AS Second_Highest_Salary
53 FROM Employee
54 WHERE Emp_Sal < (SELECT MAX(Emp_Sal) FROM Employee);
55
56
57 6. Rename a column Person_Name to P_Name in the table Person
58
59 ALTER TABLE Person
60 RENAME COLUMN Person_Name TO P_Name;
61
62 7. List down all the SQL constraints
63
64 -- Primary Key
65 -- Foreign Key
66 -- UNIQUE
67 -- CHECK
68 -- DEFAULT
69 -- Not NULL
70
71 8. Retrieve Emp_Id, Emp_FName, Emp_LName for location Zip_Code 88160
72
73 SELECT
74     Emp_Id,
75     Emp_FName,
76     Emp_LName
77 FROM
78     EMPLOYEE
79 JOIN
80     EMP_DEPARTMENT ED ON Dept_ID = Dept_ID
81 WHERE
82     Emp_Zip = 88160;
83
84 9. Write a query using Right Outer join to retrieve the data from Employee and
    Emp_Department table
85
86 SELECT
87     Emp_ID,
88     Emp_FName,
89     Emp_LName,
90     Dept_ID,
91     Dept_Name
92 FROM
93     Employee
94 RIGHT OUTER JOIN

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95     Emp_Department ON Dept_ID = Dept_ID;
96
97 10. Write a query using Full Outer join to retrieve the data from Employee and
    Emp_Department tables
98
99 SELECT
100     Emp_FName,
101     Emp_LName,
102     Emp_Addr1,
103     Emp_Addr2,
104     Emp_City,
105     Emp_Zip,
106     Emp_Sal,
107     Dept_Name,
108     Dept_City,
109     Dept_State
110 FROM
111     Employee
112 RIGHT OUTER JOIN
113     Emp_Department ON Dept_Id = Dept_Id;
114
```