**Practical Exercise : 1**

**Create below Table with appropriate given descriptions & perform the following queries.**

**NOTE:** Before running your statements, start Spooling with appropriate file names. When all the tables are created, stop Spooling and print the Spooled file.

**Table Name:** Employee\_Info

| **Column Name** | **Data Type** | **Size** | **Constraints** |
| --- | --- | --- | --- |
| Emp\_No | Number | 3 | Not Null, Unique |
| Emp\_Name | Varchar2 | 12 | Not Null |
| City | Varchar2 | 15 | - |
| Designation | Varchar2 | 15 | Not Null |
| Department | Varchar2 | 15 | - |
| Salary | Number | 10 | - |
| Date of Join | Date | - | - |

**Insert the following records in table:**

| **Emp\_No** | **Emp\_Name** | **City** | **Designation** | **Department** | **Salary** | **Date of Join** |
| --- | --- | --- | --- | --- | --- | --- |
| 101 | IVAN | Boston | Professor | Account | 45000 | 25-jul-2012 |
| 102 | PETER | Germany | Programmer | Computer | 18000 | 01-jan-2015 |
| 103 | JONES | Boston | Admin | Admin | 34000 | 05-mar-2017 |
| 104 | KELVIN | New York | Admin | Admin | 32000 | 18-feb-2010 |
| 105 | BLAKE | Boston | Professor | Computer | 45000 | 22-sept-2013 |
| 106 | MORIS | New Jersey | Professor | Account | 25000 | 26-oct-2011 |
| 107 | JEVIAR | Boston | Programmer | Computer | 19500 | 25-feb-2021 |
| 108 | NEVIL | New Jersey | Professor | Computer | 41000 | 18-sept-2018 |
| 109 | RONALD | Germany | Admin | Admin | 24000 | 22-apr-2013 |
| 110 | KOLKI | New Jersey | Programmer | Computer | 14000 | today |

Perform the Queries:

1. Display the structure of the Employee\_Info table.
2. Retrieve all the details of employees.
3. Display employee Name along with their salaries.
4. Display those employee’s details belonging to Boston city.
5. List all the employees belonging to the department of computers.
6. Display all the employees whose salary is less than 25000.
7. Display all the employees that are not belonging to the department of computer.
8. List all the employees that live in New Jersey.
9. List name of the all distinct departments.
10. List the possible designation available for any employee.
11. Display all the details of an employee whose id is 105.
12. List the name and salary of all the employees whose salary is between 15000 to 30000.
13. Display all the employees who are professors and have salaries greater than 40000.
14. List all the employees who belong to the admin department or live in Germany.
15. Increment the 5% salary of all employees. (Column to display : Employee\_Name, Old salary & Increment salary).
16. Calculate and display the 8% PF of salary for each employee (Column to display : Employee\_Name, Salary, Calculated PF).
17. Display the employee and its salaries by removing the 12% of PF.

( New Salary = Salary - 12% PF of salary)

1. Display the details of employees and sort it by name in ascending order.
2. Display the details of employees department wise.
3. Sort the employee according to their salaries.
4. Display the details of employees whose name starts with K.
5. Display the details of employees whose name contains A.
6. Display the details of employees whose lives in a following cities:
   1. Boston
   2. New York
7. List the employees having the designation of either professor or programmer.
8. List the employees having salaries between 30,000 to 50,000.
9. List the names of employees who joined between the years 2010 to 2018.
10. List the names of employees who belong to the department of commerce.