# Adapters Exercise

Create a table named **empTable** having the following details **employeeId, empName, empDesignation, projId, mgrName, empLoc, doj, dob, empAge, empSal**

## empTable

| Field names | Datatype | Constraint |
|---|---|---|
| employeeId | Varchar2(10) | Not Null |
| empName | Varchar2(20) | |
| empDesignation | Varchar2(20) | |
| projId | Varchar2(10) | |
| mgrName | Varchar2(20) | |
| empLoc | Varchar2(20) | |
| doj | Date | |
| dob | Date | |
| empAge | numeric | |
| empSal | numeric | |

**Exercise 1:**

Create an insert adapter to enter the details in the **empTable.**

**Exercise 2:**

Create a select adapter to select all the details of **empTable.**

**Exercise 3:**

Create a select adapter to select the **empName** and **empAge** from **empTable** where **empId=112233.**

**Exercise 4:**

Create a select adapter to select the **empName** and **empAge** from **empTable** where **empId=112233 or doj=18<sup>th</sup> aug,2000.**

**Exercise 5:**

Create a select adapter to select the first 10 rows of **empTable**

**Exercise 6:**

Create an update adapter to update the **mgrName** to **priya** where **employeeId= 377463** in the **empTable**

**Exercise 7:**

Create an update adapter to update all the details of the employee with the **employeeId=678797** in the **empTable**

**Exercise 8:**

Create a batch  insert adapter to enter multiple values in the **empTable** for all the fields..

**Exercise 9:**

Create a select adapter to select  the details of the employees having salary less than or equal to 35000.

**Exercise 10:**

Create a select adapter to select  the details of the employees who reside in a location starting with **'ba'**

**Exercise 11:**

Create a batch update to update the salary of all employees residing in Bangalore with a hike of Rs.2000.

**Exercise 12:**

Create a custom sql adapter to select the details of the employee whose id is passed at runtime.

**Exercise 13:**

Create a custom sql adapter to select the details of the employee whose id is passed at runtime and salary is greater than a value passed at runtime.

**Exercise 14:**

Create a dynamic sql adapter to select the details of all the employees. The whole query should be passed at runtime.

**Exercise 15:**

Create a dynamic sql adapter to select the details of all the employees. The where clause of the query should be passed at runtime

**Exercise 16:**

Create a delete adapter to delete **empTable**.

**Exercise 17:**

Create a delete adapter to delete the details of the employee with the **employeeId=678797** in the **empTable**.

**Exercise 18:**

Create a delete adapter to delete the details of the employees residing in kerela.

**Exercise 19:**

Create a select adapter service to retrieve all the records of the employees who joined the organization in the duration    12-jan-2002 and 12-jan-2005.

**Exercise 20:**

Create a select adapter to select the designation details of all the employees in the age group 25yrs to 35 yrs in the **empTable.**

**Exercise 21:**

Create a select adapter to select the details of all the employees in a project with the **projId='A12B34'**

**Exercise 22:**

Create a select adapter to select the date of joining ( **doj** ) and **employeeId** of all the employees .Use this in the flow service  to find who all have worked in the organization for more than 1000 days.

**Exercise 23:**

Create a delete adapter to delete the details of all the employees with a salary less than 20200.

Create a table named **shippingDetails** with the following details **orderId, orderName, orderQty, totalCost, supplierName, deliveryLoc, shippingMode,orderType,orderStatus ,orderDate:**

## **shippingDetails**

| Field names | Datatype | Constraint |
|---|---|---|
| orderId | Varchar2(10) | Not Null |
| orderName | Varchar2(20) | |
| orderQty | numeric | |
| totalCost | numeric | |
| supplierName | Varchar2(20) | |
| deliveryLoc | Varchar2(20) | |
| shippingMode | Varchar2(20) | |
| orderType | Varchar2(20) | |
| orderStatus | Varchar2(20) | |
| orderDate | date | |

**Exercise 21:**

Create an insert adapter to enter the details in the **shippingDetails** table

**Exercise 22:**

Create a select adapter to select all the shipping details where **orderQty>100**.

**Exercise 23:**

Create a batch update to update the **totalCost** of all the items where **orderQty>200** with a price reduction of Rs.100

**Exercise 24:**

Create a select adapter to select the details of all the fragile items given under **orderType ='fragile'**

**Exercise 25:**

Create a select adapter to select all the shipping details if the **totalCost>10000**

**Exercise 26:**

Create a select adapter to select the shipping details of the items being shipped to **'India'(deliveryLoc)** and which have the **shippingMode='by air'**

**Exercise 27:**

Create a select adapter to select the details of all the items where **orderStatus ='not delivered'**

**Exercise 28:**

Create a delete adapter to delete the items where **orderQty<1**

**Exercise 29:**

Create a select adapter to select the details of all the distinct items.

**Exercise 30:**

Create a delete adapter to delete the items where **orderType='chemical items'.**

**Exercise 31:**

Update the **orderStatus** of all the **orderType='fragile'** items as **'delivered'**

**Exercise 32:**

Update the **supplierName** as' **walmart'** for all the items with **orderName='food items'** and **orderQty=100**

**Exercise 33:**

Create a select adapter to select the details of all the items including duplicates.

**Exercise 34:**

Create a select adapter to select the **orderName,orderQty** and **totalCost** and use it in a flow service to retrieve the cost of each item

**Exercise 35:**

Create an update adapter to update the **orderQty** to **100** for all the items where the quantity ordered is less than 100.

**Exercise 36:**

Create a delete adapter to delete the items where supplier name ends in 's'.

**Exercise 37:**

Create an insert adapter to insert new walues into **orderId, orderName** and **orderQty.**

**Exercise 38:**

Create a select adapter to select the details of all the items ordered on 31$^{st}$ January,2010.

**Exercise 39:**

Create a select adapter to select the details of all the items ordered between 2010 and 2011.

**Exercise 40:**

Create a delete adapter to delete the items ordered before 1$^{st}$ January,2005.