



Courses: Java Selenium, Java Full Stack, Python Full Stack
JS Cypress, Playwright, Data Analyst, Flutter

Trainers: Ram Sarath Palanivel Xavier
8939982246 9884291190 9344653712

Select * from Employees = to get all the column form Employee table

Select * from Employees

Select first_name from Employees

Select first_name, last_name from Employees

SELECT * FROM EMPLOYEES

Select * from Employees where salary > 10000

Select * from Employees where salary < 10000

Select * from Employees order by salary asc

Select * from Employees order by salary desc

Select distinct(first_name) from Employees

Select * from Employees

Select * from Employees where commission_pct is NULL

Select * from Employees where commission_pct is not NULL

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Select * from Employees where salary between 10000 and 15000

Select first_name as primaryName from Employees

Select * from Employees where first_name = 'David'

Select first_name||'@'||last_name from Employees

Select * from Employees where first_name like 'A%'

Select * from Employees where first_name like '%n'

Select * from Employees where first_name like 'S%n'

Select * from Employees where first_name like '_a%n'

Select * from Employees where first_name in ('David', 'Steven')

Select * from Employees where first_name = 'David' AND salary > 5000

Select * from Employees where first_name = 'David' OR salary > 5000

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Select first_name, min(salary) from Employees

Select first_name, min(salary) from Employees group by first_name

Select first_name, min(salary) from Employees group by first_name

Select first_name, min(salary) from Employees group by first_name where first_name = 'David'

Select first_name, min(salary) from Employees group by first_name having first_name = 'David'

Select first_name, last_name, salary, rank() over (order by salary desc) from Employees

Select first_name, last_name, salary, dense_rank() over (order by salary desc) from Employees

Select first_name, last_name, salary, rank() over (order by salary desc) from Employees

Select first_name, last_name, salary, dense_rank() over (order by salary desc) from Employees

With E as (Select first_name, last_name, salary, dense_rank() over (order by salary desc) as RANK from Employees)

Select * from E where RANK = 2;

With E as (Select first_name, last_name, salary, dense_rank() over (order by salary asc) as RANK from Employees)

Select * from E where RANK = 1;

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```
create table CoursesSep24(  
cid number(4),  
cname varchar(20) not null,  
constraint CS1 primary key(cid)  
);
```

```
create table CoursesSep24(  
cid number(4),  
cname varchar(20) not null,  
constraint Csp1 primary key(cid)  
);
```

```
create table StudentsSep24(  
sid number(4),  
sname varchar(20),  
cid number(4),  
constraint Ssp1 primary key(sid)  
);  
insert into CoursesSep24 values(10, 'java');  
Select * from CoursesSep24;  
insert into CoursesSep24 values (20, 'Selenium');  
insert into CoursesSep24 values (30, 'API');  
Select * from CoursesSep24;  
insert into StudentsSep24 values (1, 'Steven', 10);
```

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insert into StudentsSep24 values (2, 'Neena', 20);

insert into StudentsSep24 values (3, 'Lex', NULL);

Select * from StudentsSep24

Select S.Sname , C.cName from StudentsSep24 S inner join CoursesSep24 C on
S.cid = C.cid;

Select S.Sname , C.cName from StudentsSep24 S left join CoursesSep24 C on
S.cid = C.cid;

Select S.Sname , C.cName from StudentsSep24 S right join CoursesSep24 C on
S.cid = C.cid;

Select S.Sname , C.cName from StudentsSep24 S full join CoursesSep24 C on
S.cid = C.cid;

Select S.Sname , C.cName from StudentsSep24 S cross join CoursesSep24 C;

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JDBC Connection:

JDBC:

Java Database Connectivity

Download the ojdbc jar file and add the jar file inside the library folder of the project
integrate the jar file with java library

Step 1:

Loading the driver

Class.forName()

Class - Pre defined class

forName - static method

Step 2:

Create the connection

Connection con=DriverManager.getConnection(url,user,password)

DriverManager - Pre defined class

getConnection - static method

Url : jdbc:oracle:thin:@localhost:1521:xe

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oracle ---> Database name

thin ---> driver used

@localhost --> Ip address where database is stored

1521 -----> Port number

xe -----> service provider

Step 3:

Write a query

String obj =query

Step 4:

prepare statement

Step 5:

ExecuteQuery

Step 6:

Query Iteraation

Step 7:

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driver close

```
public class Implementation {

public static void main(String[] args) throws
ClassNotFoundException, SQLException {

    Class.forName("oracle.jdbc.driver.OracleDriver");
    Connection connection =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:
1521", "username", "password");
    String sql = "Select * from Employees";
    PreparedStatement preparedStatement =
connection.prepareStatement(sql);
    ResultSet executeQuery =
preparedStatement.executeQuery();
    while(executeQuery.next()) {

        System.out.println(executeQuery.getString("first_name
"));
    }

}
}
```

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Employee Appraisal Form</title>
</head>
```

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```
<body>
<form action="add">
Enter the firstname: <input type="text" name =
"firstName">
Enter the Department: <input type = "text" name = "dept">
Enter the Salary: <input type = "text" name = "salary">
Enter the joiningYear: <input type = "text" name = "doj">
<input type="submit">
</form>
</body>
</html>
```

//Class - Servlet - Dynamic Web Page Logic

```
public class Sample extends HttpServlet{
```

```
    @Override
```

```
        protected void service(HttpServletRequest req,
        HttpServletResponse resp) throws ServletException,
        IOException {
```

```
            //to get the data from the Form
```

```
            //Syntax: req.getParameter("firstname")
```

```
            String firstName = req.getParameter("firstName");
```

```
            String dept = req.getParameter("dept");
```

```
            String salary = req.getParameter("salary");
```

```
            String year = req.getParameter("doj");
```

```
            int yearInt = Integer.parseInt(year);
```

```
            int salaryInt = Integer.parseInt(salary);
```

```
            if(yearInt < 2000) {
```

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```
        PrintWriter writer = resp.getWriter();
        writer.println((salaryInt+ 5000));
    }
    else {
        PrintWriter writer = resp.getWriter();
        writer.println("Not Eligible");
    }
}
```

```
}
```

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
id="WebApp_ID" version="4.0">
    <servlet>
    <servlet-name>abc</servlet-name>
    <servlet-class>org.login.Sample</servlet-class>
    </servlet>
    <servlet-mapping>
    <servlet-name>abc</servlet-name>
    <url-pattern>/add</url-pattern>
    </servlet-mapping>
</web-app>
```

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