

DB작성 예시

```
create table member_tbl_02 (  
  custno number(6) not null,  
  custname varchar2(20),  
  phone varchar2(13),  
  address varchar2(60),  
  joindate date,  
  grade char(1),  
  city char(2),  
  Primary key(custno)  
);  
commit;
```

```
insert into member_tbl_02 values  
('100001','김행복','010-1111-2222','서울 동대문구  
회경1동','20151202','A','01');  
insert into member_tbl_02 values  
('100002','이축복','010-1111-3333','서울 동대문구  
회경2동','20151206','B','01');  
insert into member_tbl_02 values  
('100003','장민음','010-1111-4444','울릉군 울릉읍  
독도1리','20151001','B','30');  
insert into member_tbl_02 values  
('100004','최사랑','010-1111-5555','울릉군 울릉읍  
독도2리','20151113','A','30');  
insert into member_tbl_02 values  
('100005','잔평화','010-1111-6666','제주도 제주시  
외나무골','20151225','B','60');  
insert into member_tbl_02 values  
('100006','차공단','010-1111-7777','제주도 제주시  
감나무골','20151211','C','60');  
commit;
```

```
create table money_tbl_02(  
  custno number(6) not null,  
  salenol number(8) not null,  
  pcost number(8),  
  amount number(4),  
  price number(8),  
  pcode varchar2(4),  
  sdate date,  
  primary key(custno, salenol)  
);  
commit;
```

```
insert into money_tbl_02 values  
('100001','20160001','500','5','2500','A001','20160101');  
insert into money_tbl_02 values
```

```

('100001','20160002','1000','4','4500','A002','20160101');
insert into money_tbl_02 values
('100001','20160003','500','3','1500','A008','20160101');
insert into money_tbl_02 values
('100002','20160004','2000','1','2000','A004','20160102');
insert into money_tbl_02 values
('100002','20160005','500','1','500','A001','20160103');
insert into money_tbl_02 values
('100003','20160006','1500','2','3000','A003','20160103');
insert into money_tbl_02 values
('100004','20160007','500','2','1000','A001','20160104');
insert into money_tbl_02 values
('100004','20160008','300','1','300','A005','20160104');
insert into money_tbl_02 values
('100004','20160009','600','1','600','A006','20160104');
insert into money_tbl_02 values
('100004','20160010','3000','1','3000','A007','20160106');
commit;

```

```

select x.custno, a.custname, a.grade, x.psum from (select custno,
sum(price) psum from money_tbl_02 group by custno order by
psum desc) x, member_tbl_02 a where x.custno=a.custno ;

```

```

update member_tbl_02 SET custname = ? phone = ? address = ?
joindate = ? grade = ? city = ?, WHERE custno = ?"

```

header.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Insert title here</title>
<style>
  header {
    text-align: center;
    background-color: gray;
    padding: 1px;
  }
  nav{
    background-color: skyblue;
  }
  a{
    padding-left: 20px;
  }
</style>
</head>
<body>
<header>
<H2>쇼핑몰 회원관리 ver 1.0</H2>
</header>

<nav>
<a href="insert.jsp">회원등록</a>
<a href="membersearch.jsp">회원 목록및 수정</a>
<a href="search.jsp">회원매출조회</a>
<a href="index.jsp">홈으로</a>
</nav>
</body>
</html>
```

footer.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Insert title here</title>
<style>
    footer{
        text-align:center;
        background-color: gray;
        padding: 5px;
    }
</style>
</head>
<body>
<u>footer</u>
    <strong>
        HRDKOREA Copyright@ 2016 All right....
    </strong>
</footer>
</body>
</html>
```

index.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Insert title here</title>
<style>
    section {
        margin-bottom: 10%;
    }
</style>
</head>
<body>
<%@ include file="header.jsp" %>
<section>
    <h3 style="text-align:center">쇼핑몰 회원 관리 프로그램
    </h3>
    <p>
        쇼핑몰 회원 정보와 회원매출 정보 데이터베이스를 구축하고
        회원관리 프로그램을 작성하는 프로그램이다.<br>
        프로그램 작성순서<br>
        1. 회원정보 테이블을 생성한다<br>
        2. 매출정보 테이블을 생성한다.<br>
        3. 회원정보 매출정보 테이블에서 제시된 문제지와 참조 데이터를
        추가 생성한다.<br>
        4. 회원정보 입력 화면프로그램을 작성한다.<br>
        5. 회원정보조회 프로그램을 작성한다.<br>
        6. 회원매출정보 조회 프로그램을 작성한다.<br>
    <p>
</section>
<%@ include file="footer.jsp" %>
</body>
</html>
```

membersearch.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"
import="java.sql.*" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Insert title here</title>
<style>
    section {
        margin-bottom: 10%;
    }
    table {
        margin-left: auto;
        margin-right: auto;
    }
    h3, table, tr, td {
        text-align:center;
    }
</style>
</head>
<body>
<%@ include file="header.jsp" %>
<section>
    <h3>회원목록조회/수정</h3>
    <table border="1">
    <tr>
        <td>회원등록</td>
        <td>회원성명</td>
        <td>전화번호</td>
        <td>주소</td>
        <td>가입일자</td>
        <td>고객등급</td>
        <td>거주지역</td>
    </tr>
    <%
    Class.forName("oracle.jdbc.OracleDriver");
    Connection con= DriverManager.getConnection
    ("jdbc:oracle:thin:@//localhost:1521/x", "system","1234");
    String sql = "select * from member_tbl_02";
    Statement stmt = con.createStatement();
    ResultSet rs = stmt.executeQuery(sql);
    while( rs.next() ){
        String ddate = rs.getString("joindate");
        String num = rs.getString("custno");
```

```

    %>
    <tr>
        <td><a href="update.jsp?num=<%=num %>"><%=num
%></a></td>
        <td><%=rs.getString("custname") %></td>
        <td><%=rs.getString("phone") %></td>
        <td><%=rs.getString("address") %></td>
        <td><%=ddate.substring(0,10) %></td>
        <td><%=rs.getString("grade") %></td>
        <td><%=rs.getString("city") %></td>
    </tr>
    <%
    }
    stmt.close();
    con.close();
    %>
</table>

</section>
<%@ include file="footer.jsp" %>
</body>
</html>

```

insert.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"
import="java.sql.*" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
```

```
<title>Insert title here</title>
```

```
<style>
```

```
    section {
        margin-bottom: 10%;
    }
```

```
    table {
        margin-left: auto;
        margin-right: auto;
    }
```

```
    h3, tr, td {
        text-align:center;
    }
```

```
</style>
```

```
<script>
```

```
    function onsub() {
```

```
        const num = document.getElementById("num");
        const name = document.getElementById("name");
        const phone = document.getElementById("phone");
        const address = document.getElementById("address");
        const date = document.getElementById("date");
        const grade = document.getElementById("grade");
        const city = document.getElementById("city");
```

```
        if(num.value==""){
            alert("회원번호를 입력하세요.")
            num.focus();
            return false;
        }
```

```
        if(name.value==""){
            alert("회원성명을 입력하세요.")
            name.focus();
            return false;
        }
```

```
        if(phone.value==""){
            alert("전화번호를 입력하세요.")
            phone.focus();
        }
```



```

        return false;
    }
    if(address.value==""){
        alert("주소를 입력하세요.");
        address.focus();
        return false;
    }
    if(date.value==""){
        alert("가입날짜를 입력하세요.");
        date.focus();
        return false;
    }
    if(grade.value==""){
        alert("고객등급을 입력하세요.");
        grade.focus();
        return false;
    }
    if(city.value==""){
        alert("도시코드를 입력하세요.");
        city.focus();
        return false;
    }
    alert("회원등록이 완료 되었습니다.");
    return true;
}
</script>
</head>
<body>
<%@ include file="header.jsp" %>
<section>
    <h3>회원등록</h3>
    <form action="action.jsp">
    <table border=1>
    <tr>
    <%
        Class.forName("oracle.jdbc.OracleDriver");
        Connection con= DriverManager.getConnection
        ("jdbc:oracle:thin:@//localhost:1521/xe", "system","1234");
        String sql = "select * from member_tbl_02";
        Statement stmt = con.createStatement();
        ResultSet rs = stmt.executeQuery(sql);
        String number = "";
        while(rs.next()){
            number=
            Integer.toString(Integer.parseInt(rs.getString("custno"))+1);
        }

        stmt.close();
    <%

```

```

con.close();
%>
<td>회원번호(자동발생)</td>
    <td><input type="text" name="num" id="num"
value=<%=number %>> </td>
</tr>
<tr>
    <td>회원성명</td>
    <td><input type="text" name="name" id="name"> </td>
</tr>
<tr>
    <td>회원전화</td>
    <td><input type="text" name="phone" id="phone"> </td>
</tr>
<tr>
    <td>회원주소</td>
    <td><input type="text" name="address" id="address">
</td>
</tr>
<tr>
    <td>가입일자</td>
    <td><input type="text" name="date" id="date"> </td>
</tr>
<tr>
    <td>고객등급[A:VIP,B:일반,C:직원]</td>
    <td><input type="text" name="grade" id="grade"> </td>
</tr>
<tr>
    <td>도시코드</td>
    <td><input type="text" name="city" id="city"> </td>
</tr>
<tr>
    <td colspan="2" style="text-align:center">
        <input type="submit" value="등록" onclick="return
onsub()">
        <a href="membersearch.jsp"><input type="button"
value="조회"/></a>
    </td>
</tr>
</table>
</form>

</section>
<%@ include file="footer.jsp" %>
</body>
</html>

```

action.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"
import="java.sql.*" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Insert title here</title>
</head>
<body>
    <% request.setCharacterEncoding("utf-8");

        String num = request.getParameter("num");
        String name = request.getParameter("name");
        String phone = request.getParameter("phone");
        String address = request.getParameter("address");
        String date = request.getParameter("date");
        String grade = request.getParameter("grade");
        String city = request.getParameter("city");
        System.out.println("date");
        Class.forName("oracle.jdbc.OracleDriver");
        Connection con =
DriverManager.getConnection("jdbc:oracle:thin:@//localhost:1521/xe",
"system","1234");

        String sql = "insert into member_tbl_02 values(?,?,?,?,?,?,?)";
        PreparedStatement pstmt = con.prepareStatement(sql);

        pstmt.setString(1, num);
        pstmt.setString(2, name);
        pstmt.setString(3, phone);
        pstmt.setString(4, address);
        pstmt.setString(5, date);
        pstmt.setString(6, grade);
        pstmt.setString(7, city);
        pstmt.executeUpdate();

        pstmt.close();
        con.close();
        pageContext.forward("membersearch.jsp");
    %>
</body>
</html>
```

update.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"
import="java.sql.*" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Insert title here</title>
<style>
    section {
        margin-bottom: 10%;
    }
    table {
        margin-left: auto;
        margin-right: auto;
    }
    h3, tr, td {
        text-align: center;
    }
</style>
</head>
<body>
<%@ include file="header.jsp" %>
<section>
    <h3>홈쇼핑 회원 정보 수정</h3>
    <form action="action1.jsp">
    <table border=1>
<% request.setCharacterEncoding("utf-8");
String num = request.getParameter("num");

Class.forName("oracle.jdbc.OracleDriver");
Connection con= DriverManager.getConnection
("jdbc:oracle:thin:@//localhost:1521/xe", "system","1234");
String sql = "select * from member_tbl_02 where custno=" +
num;
Statement stmt = con.createStatement();
ResultSet rs = stmt.executeQuery(sql);
rs.next();
%>
<tr>
    <td>회원번호</td>
    <td><input type="text" name="num" id="num"
value= '<%=rs.getString("custno")%>' > </td>
</tr>
<tr>
    <td>회원성명</td>
    <td><input type="text" name="name" id="name"
```

```

value= '<%=rs.getString("custname")%> </td>
</tr>
<tr>
    <td>회원전화</td>
    <td><input type="text" name="phone" id="phone"
value= '<%=rs.getString("phone")%> </td>
</tr>
<tr>
    <td>회원주소</td>
    <td><input type="text" name="address" id="address"
value= '<%=rs.getString("address")%> </td>
</tr>
<tr>
    <td>가입일자</td>
    <td><input type="text" name="date" id="date"
value= '<%=rs.getString("joindate").substring(0,10)%> </td>
</tr>
<tr>
    <td>고객등급[A:VIP,B:일반,C:직원]</td>
    <td><input type="text" name="grade" id="grade"
value= '<%=rs.getString("grade")%> </td>
</tr>
<tr>
    <td>도시코드</td>
    <td><input type="text" name="city" id="city"
value= '<%=rs.getString("city")%> </td>
</tr>
<tr>
    <td colspan="2" style="text-align:center">
        <input type="submit" value="수정">
        <a href="membersearch.jsp"><input type="button"
value="조회"></a>
    </td>
</tr>
</table>
<%
    stmt.close();
    con.close();
%>
</form>

</section>
<%@ include file="footer.jsp" %>
</body>
</html>

```

action1.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"
import="java.sql.*" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Insert title here</title>
</head>
<body>
    <% request.setCharacterEncoding("utf-8");

        int num = Integer.parseInt(request.getParameter("num"));
        String name = request.getParameter("name");
        String phone = request.getParameter("phone");
        String address = request.getParameter("address");
        String date = request.getParameter("date");
        String grade = request.getParameter("grade");
        String city = request.getParameter("city");
        System.out.println("date");
        Class.forName("oracle.jdbc.OracleDriver");
        Connection con =
DriverManager.getConnection("jdbc:oracle:thin:@//localhost:1521/xe",
"system","1234");

        String sql = "update member_tbl_02 SET custname=?,
phone=?, address=?, joindate=?, grade=?, city=? WHERE custno=?";
        PreparedStatement pstmt = con.prepareStatement(sql);

        pstmt.setString(1, name);
        pstmt.setString(2, phone);
        pstmt.setString(3, address);
        pstmt.setString(4, date);
        pstmt.setString(5, grade);
        pstmt.setString(6, city);
        pstmt.setInt(7, num);
        pstmt.executeUpdate();
        pstmt.close();
        con.close();
        pageContext.forward("membersearch.jsp");
    %>
</body>
</html>
```

search.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"
import="java.sql.*" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
```

```
<title>Insert title here</title>
```

```
<style>
```

```
    section {
        margin-bottom: 10%;
    }
```

```
    table {
        margin-left: auto;
        margin-right: auto;
    }
```

```
    h3, table, tr, td {
        text-align: center;
    }
```

```
</style>
</head>
```

```
<body>
```

```
<%@ include file="header.jsp" %>
<section>
```

```
    <h3>회원매출조회</h3>
    <table border="1">
```

```
    <tr>
        <td>회원번호</td>
        <td>회원성명</td>
        <td>고객등급</td>
        <td>매출</td>
```

```
    </tr>
```

```
    <%
```

```
Class.forName("oracle.jdbc.OracleDriver");
```

```
Connection con= DriverManager.getConnection
```

```
("jdbc:oracle:thin:@//localhost:1521/xe", "system","1234");
```

```
String sql = "select x.custno, a.custname, a.grade, x.psum
```

```
from " +
```

```
        "(select custno, sum(price) psum from
money_tbl_02 group by custno order by psum desc) x" +
        ", member_tbl_02 a" +
        " where x.custno=a.custno";
```

```
Statement stmt = con.createStatement();
```

```

ResultSet rs = stmt.executeQuery(sql);
while( rs.next() ){
    String grade = "";
    if(rs.getString("grade").equals("A"))
        grade="VIP";
    else if(rs.getString("grade").equals("B"))
        grade="일반";
    else
        grade="직원";

    %>
    <tr>
        <td><%=rs.getString("custno") %></td>
        <td><%=rs.getString("custname") %></td>
        <td><%=grade %></td>
        <td><%=rs.getString("psum") %></td>
    </tr>
    <%
    }
    stmt.close();
    con.close();
    %>
</table>
</section>
<%@ include file="footer.jsp" %>
</body>
</html>

```