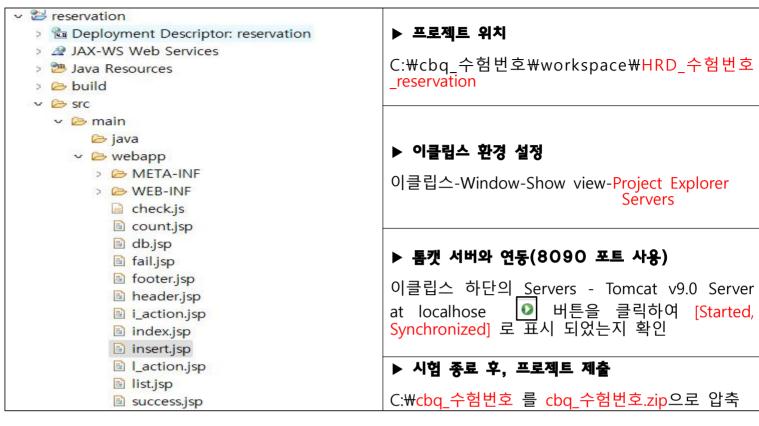
## 2024년 6월 정보처리산업기사 과정형평가 대비

## ■ 좌석예약(Reservation) 시스템 프로젝트 파일 구조 ■



■ 수강신청(Register) 시스템 프로젝트 준비 작업 ■

순서	내 용
1	메모장 열어서 SQL 쿼리 작성하고 명령프롬프트 창에 <b>복사/붙여넣기</b> (테이블 생성, 데이터 입력)
	CREATE TABLE 테이블이름(         애트리뷰트1이름 형태(길이) not null,         애트리뷰트2이름 형태(길이),         애트리뷰트3이름 형태(길이),         primary key(애트리뷰트1이름)       <= 기본키가 2개일때는 primary key(이름1, 이름2)
	명령프롬프트에서 sqlplus system/1234 입력하고 SQL 쿼리 각각 블록지정해서 복사-붙여넣기 해서 입력 SQL 끝나고 나갈때 <u>COMMIT;</u>
2	이클립스(작업영역 위치: C:₩cbq_학번₩workspace) FILE-NEW-DYNAMIC WEP PROJECT (Project name: hrd_학번_register) 로 프로젝트 생성
	C₩oraclexe₩app₩oracle₩product₩11.2.0₩server₩jdbc₩lib₩odjbc6.jar 파일을 <u>복사</u> 해서 프로젝트 wep-inf₩lib 에 <u>붙여넣기</u>
	이클립스-window-preferences- jsp, html. css, spelling, workspace 5가지를 검색하여 Encoding을 UTF-8로 변경하여 한글이 깨지지 않도록 함.
	4   11   0   1

```
SQL
create table tbl_emp_202108(
empno char(04) not null.
empname varchar2(20),
tell char(03).
tel2 char(04).
tel3 char(04).
deptcode char(02).
position char(01),
primary key(empno)
);
create table tbl seat 202108(
seatno char(04) not null.
office varchar2(20).
callno varchar2(10).
useflag char(01).
primary key(seatno)
);
create table tbl_resv_202108(
resvno char(08) not null,
empno char(04).
resvdate char(08).
seatno char(04),
primary key(resvno)
);
insert into tbl_emp_202108 values('1001', '김사원', '010', '1234', '1111', '10', '1');
insert into tbl_emp_202108 values('1002', '이사원', '010', '1234', '2222', '20', '2');
insert into tbl_emp_202108 values('1003', '박사원', '010', '1234', '3333', '30', '3');
insert into tbl_emp_202108 values('1004', '홍사원', '010', '1234', '4444', '10', '4');
insert into tbl_emp_202108 values('1005', '조사원', '010', '1234', '5555', '20', '1');
insert into tbl_emp_202108 values('1006', '정사원', '010', '1234', '6666', '30', '2');
insert into tbl_emp_202108 values('1007', '황사원', '010', '1234', '7777', '10', '3');
insert into tbl_seat_202108 values('S001', '1층 101호', '777-0001', 'N');
insert into tbl_seat_202108 values('S002', '1층 101호', '777-0002', 'Y');
insert into tbl_seat_202108 values('S003', '1층 101호', '777-0003', 'Y');
insert into tbl_seat_202108 values('S004', '1층 102호', '777-0004', 'Y');
insert into tbl_seat_202108 values('S005', '1층 102호', '777-0005', 'Y');
insert into tbl_seat_202108 values('S006', '1층 102호', '777-0006', 'N');
insert into tbl_seat_202108 values('S007', '1층 103호', '777-0007', 'Y');
insert into tbl_seat_202108 values('S008', '1층 103호', '777-0008', 'Y');
insert into tbl_seat_202108 values('S009', '1층 103호', '777-0009', 'Y');
insert into tbl_resv_202108 values('20210001', '1001', '20211004', 'S002');
```

```
insert into tbl_resv_202108 values('20210002', '1002', '20211004', 'S003');
insert into tbl_resv_202108 values('20210003', '1003', '20211004', 'S004');
insert into tbl_resv_202108 values('20210004', '1004', '20211004', 'S005');
insert into tbl_resv_202108 values('20210005', '1005', '20211005', 'S004');
insert into tbl_resv_202108 values('20210006', '1006', '20211005', 'S005');
insert into tbl_resv_202108 values('20210007', '1007', '20211005', 'S007');
insert into tbl_resv_202108 values('20210008', '1001', '20211005', 'S008');
insert into tbl_resv_202108 values('20210009', '1002', '20211006', 'S002');
insert into tbl_resv_202108 values('20210010', '1003', '20211006', 'S003');
```

```
header.jsp
 <%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
      pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<header style="position: fixed; top: 0px; left: 0px; width: 100%; height: 40px; line-height: 40px; text-align:</p>
center; background-color: orange; font-size: 20px"><b>(과정평가형 정보처리산업기사) 자율좌석예약 프로그램 ver 2021-08</b>
</header>
<nav style="position: fixed; top: 40px; left: 0px; width: 100%; height: 30px; line-height: 30px;
background-color: pink: padding-left: 20px">
ca href="insert.jsp">근무좌석예약</a> &nbsp:&nbsp:
ca href="list.jsp">조작석예약조회</a> &nbsp:&nbsp:
ca href="count.jsp">근무일수집계</a> &nbsp:&nbsp:
ca href="index.jsp">근무일수집계</a> &nbsp:&nbsp:
</nav>
</body>
</html>
```

```
index.jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
   pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<hodv>
<jsp:include page="header.jsp"></jsp:include>
<section style="position: fixed; top: 70px; left: 0px; width: 100%; height: 100%; background-color: lightgray">
<h2 style="text-align: center">과정평가형 자격 CBQ</h2>
현장 중심형 인재육성을 지원합니다.
</b>
</section>
<jsp:include page="footer.jsp"></jsp:include>
</body>
</html>
```

```
db.jsp

<pre
```

```
insert.jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<script type="text/javascript" src="check.js"></script>
<jsp:include page="header.jsp"></jsp:include>
<section style="position:fixed; top:70px; left:0px; width:100%;</pre>
height: 100%: background-color: lightgray">
<h2 style="text-align: center"> 근무좌석예약 </h2>
<form method="post" action="i_action.jsp" name="frm" style="display: flex: align-items: center;
justify-content: center"> 
         예약번호 
               <input type="text" name="resvno"> প])20210001 
         사원번호 
               <input type="text" name="empno"> পা)1001 
         근무일자 
                <input type="text" name="resvdate"> 예)20211231 
         좌석번호 
               <input type="text" name="seatno"> 예)S001 ~ S009 
        <input type="button" value="등록" onclick="add()">
<input type="button" value="다시쓰기" onclick="res()">
               </form>
</section>
<jsp:include page="footer.jsp"></jsp:include>
</body>
</html>
```

```
i_action.jsp
<%@ include file="db.jsp" %>
<%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
    pageEncoding="UTF-8"%>
request.setCharacterEncoding("UTF-8");
String resvno = request.getParameter("resvno");
String empno = request.getParameter("empno");
String resvdate = request.getParameter("resvdate");
String seatno = request.getParameter("seatno");
try{
         String sql="INSERT INTO tbl_resv_202108 values(?,?,?,?)";
        PreparedStatement pstmt = con.prepareStatement(sql);
        pstmt.setString(1, resvno);
pstmt.setString(2, empno);
pstmt.setString(3, resvdate);
        pstmt.setString(4, seatno);
        pstmt.executeUpdate();
catch(Exception e){
        e.printStackTrace();
```

```
}
%>
<jsp:forward page="list.jsp"></jsp:forward>
```

```
check.js
function add(){
          if(frm.resvno.value.length==0){
                    alert("예약번호가 입력되지 않았습니다!");
frm.resvno.focus();
                    return false;
          }
          else if(frm.empno.value.length==0){
alert("사원번호가 입력되지 않았습니다!");
frm.empno.focus();
                    return false;
          else if(frm.resvdate.value.length==0){
alert("근무일자가 입력되지 않았습니다!");
                    frm.resvdate.focus();
                    return false;
          }
          else if(frm.seatno.value.length==0){
alert("좌석번호가 입력되지 않았습니다!");
frm.seatno.focus();
                    return false;
          }
          else
                    alert("좌석예약정보가 등록 되었습니다!");
document.frm.submit();
                    return true;
}
function res(){
          alert("정보를 지우고 처음부터 다시 입력합니다!");
          document.frm.reset();
}
function search(){
          if(frm2.empno.value.length==0){
    alert("사원번호가 입력되지 않았습니다.");
    frm2.empno.focus();
                    return false;
          }
          else
                    document.frm2.submit();
                    return true;
```

```
list.jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<script type="text/javascript" src="check.js"></script>
<jsp:include page="header.jsp"></jsp:include>
<section style="position: fixed; top: 70px; left: 0px; width: 100%; height: 100%; background-color: lightgray">
Section Style= position: *Ilxed*, top. */opx*, left*, upx*, width. *Ilvo%*, height: *Ivo%*, background-colo.*
<h2 style="text-align: center">좌석예약조회
<form method= "post" action="1_action.jsp" name="frm2" style="display: flex*, justify-content: center*, align-items: center*; text-align: center">

                       사원번호를 입력하시오. 
                                 <input type="text" name="empno"> 
                      <input type="button" value="좌석예약조회" onclick="search()"> &nbsp;
<input type="button" value="홈으로" onclick="window.location='index.jsp"">
                                 </form>
</section>
<jsp:include page="footer.jsp"></jsp:include>
</body>
</html>
```

```
l_action.jsp
<%@ include file="db.jsp" %>
<%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
    pageEncoding="UTF-8"%>
request.setCharacterEncoding("UTF-8");
String empno = request.getParameter("empno");
try{
        String sql="SELECT * FROM tbl_resv_202108 WHERE empno=?";
        PreparedStatement pstmt = con.prepareStatement(sql);
        pstmt.setString(1, empno);
        ResultSet rs = pstmt.executeQuery();
       if(rs.next()){
                <jsp:forward page="success.jsp"></jsp:forward>
        else
                <jsp:forward page="fail.jsp"></jsp:forward>
catch(Exception e){
        e.printStackTrace();
%>
```

```
success.jsp
<%@ include file="db.jsp" %>
<%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<isp:include page="header.jsp"></isp:include>
<section style="position: fixed; top: 70px; left: 0px; width: 100%; height: 100%; background-color: lightgray">
request.setCharacterEncoding("UTF-8");
String empno = request.getParameter("empno");
<h2 style="text-align: center"> 사원번호: <%=empno %> 님의 좌석예약조회 </h2>
<form style="display:flex; justify-content:center; align-items:center; text-align:center">

        사원번호 

 이름 

 근무일자 

               > 화석번호 
                좌석위치 
                내선번호 
       <%
       try{
               String sql="SELECT re.empno, empname, resvdate, re.seatno, office, callno "+
                                  'FROM tbl_emp_202108 em, tbl_seat_202108 se, tbl_resv_202108 re "+
                                 "WHERE em.empno=re.empno AND se.seatno=re.seatno AND re.empno=?";
               PreparedStatement pstmt = con.prepareStatement(sql);
               pstmt.setString(1, empno);
               ResultSet rs = pstmt.executeQuery();
               while(rs.next()){
                       String resvdate = rs.getString(3);
                       String date =
resvdate.substring(0,4)+"년"+resvdate.substring(4,6)+"월"+resvdate.substring(6,8)+"일"; %>
                        <%=rs.getString(1) %> 
                               <%=rs.getString(2) %> 
 <%=date %> 
                               <%=rs.getString(4) %>   <%=rs.getString(5) %> 
                               <%=rs.getString(6) %> 
                       <%
       catch(Exception e){
               e.printStackTrace();
</form>
<input type="button" value="돌아가기" onclick="window.location='list.jsp'">
</section>
<jsp:include page="footer.jsp"></jsp:include>
</body>
</html>
```

```
fail.jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<jsp:include page="header.jsp"></jsp:include>
<section style="position: fixed; top: 70px; left: 0px; width: 100%; height: 100%; background-color: lightgray">
<h2 style="text-align: center"> 좌석예매 정보가 존재하지 않습니다.</h2>
 ""
                   <input type="button" value="돌아가기" onclick="window.location='list.jsp'">
          </section>
<jsp:include page="footer.jsp"></jsp:include>
</body>
</html>
```

```
count.jsp
<%@ include file="db.isp" %>
<%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
<jsp:include page="header.jsp"></jsp:include>
<section style="position: fixed; top: 70px; left: 0px; width: 100%; height: 100%; background-color: lightgray">
<h2 style="text-align: center">부서별근무일수집계</h2>
<form style="display: flex; justify-content: center; align-items: center; text-align: center">
 사원번호 

 이름 

 부서명 

 근무일수 

         <%
request.setCharacterEncoding("UTF-8");
try{
        String sql="SELECT re.empno, empname, deptcode, count(resvno) "+ "FROM tbl_emp_202108 em, tbl_resv_202108 re "+
                              "WHERE em.empno=re.empno "+
                              "GROUP BY re.empno, empname, deptcode "+
                              "ORDER BY deptcode":
         PreparedStatement pstmt = con.prepareStatement(sql);
         ResultSet rs = pstmt.executeQuery();
         while(rs.next()){
                  String deptcode = rs.getString(3);
                  if(deptcode.equals("10")) deptcode="영업팀";
else if(deptcode.equals("20")) deptcode="총무팀";
                  else deptcode="구매팀";
                  %>
                   <%=rs.getString(1) %> 
                            <%=rs.getString(2) %> 
                            <%=deptcode %> 
                            <%=rs.getString(4) %> 
                  <%
catch(Exception e){
        e.printStackTrace();
%>
</form>
</section>
<jsp:include page="footer.jsp"></jsp:include>
</body>
</html>
```