

# Class 230126

## SMS 발송 (cafe24)

- 마케팅 → 카카오톡/SMS → 신청 → 발신번호 등록 → (연락) → SMS 관리 → 소스예제 사용

### 소스 예제 사용

- smsForm.jsp

- jsp page 지시자 설정

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

- 보내는 번호 value 지정 (등록 번호)

```
<br /> 보내는 번호
<input type="hidden" name="sphone1" value="010">
<input type="hidden" name="sphone2" value="1234">
<input type="hidden" name="sphone3" value="5678">
```

- smsCheck.jsp

- Encoder / Decoder 코드 변경

- `java.util.Base64.*` 임포트

```
/**
 * BASE64 Encoder
 * @param str
 * @return
 */
public static String base64Encode(String str) throws java.io.IOException {
    Encoder encoder = Base64.getEncoder();
    byte[] strByte = str.getBytes("UTF-8");
    String result = encoder.encodeToString(strByte);
    return result ;
}

/**
 * BASE64 Decoder
 * @param str
 * @return
 */
public static String base64Decode(String str) throws java.io.IOException {
    Decoder decoder = Base64.getDecoder();
    byte[] strByte = decoder.decode(str);
    String result = new String(strByte);
    return result ;
}
```

- 포맷 UTF-8로 변경

```
String charsetType = "UTF-8";
```

- 아이디 / 인증키 추가

```
String user_id = base64Encode("아이디"); // SMS아이디
String secure = base64Encode("인증키 입력");//인증키
```

- calljson.jsp

- 아이디 / 인증키 추가

```
String postParams = "userId=아이디&passwd=인증키";
```

## 전체 코드

### ▼ smsForm.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>sms - jsp </title>
    <script type="text/javascript">
        function setPhoneNumber(val) {
            var numList = val.split("-");
            document.smsForm.sphone1.value = numList[0];
            document.smsForm.sphone2.value = numList[1];
            if(numList[2] != undefined){
                document.smsForm.sphone3.value = numList[2];
            }
        }

        function loadJSON() {
            var data_file = "/calljson.jsp";
            var http_request = new XMLHttpRequest();
            try {
                // Opera 8.0+, Firefox, Chrome, Safari
                http_request = new XMLHttpRequest();
            } catch (e) {
                // Internet Explorer Browsers
                try {
                    http_request = new ActiveXObject("Msxml2.XMLHTTP");
                } catch (e) {
                    try {
                        http_request = new ActiveXObject("Microsoft.XMLHTTP");
                    } catch (e) {
                        // Error
                        alert("지원하지 않는브라우저!");
                        return false;
                    }
                }
            }
            http_request.onreadystatechange = function() {
                if (http_request.readyState == 4) {
                    // Javascript function JSON.parse to parse JSON data
                    var jsonObj = JSON.parse(http_request.responseText);
                    if (jsonObj['result'] == "Success") {
                        var aList = jsonObj['list'];
                        var selectHtml = "<select name=\"sendPhone\" onchange=\"setPhoneNumber(this.value)\">";
                        selectHtml += "<option value=' ' selected>발신번호를 선택해주세요</option>";
                        for (var i = 0; i < aList.length; i++) {
                            selectHtml += "<option value=\"" + aList[i] + "\">";
                            selectHtml += aList[i];
                            selectHtml += "</option>";
                        }
                        selectHtml += "</select>";
                        document.getElementById("sendPhoneList").innerHTML = selectHtml;
                    }
                }
            }
            http_request.open("GET", data_file, true);
            http_request.send();
        }
    </script>
</head>

<body onload="loadJSON()">
```

```

<form method="post" name="smsForm" action="smsCheck.jsp">
  <input type="hidden" name="action" value="go"> 발송타입
  <span>
    <input type="radio" name="smsType" value="S">단문(SMS)</span>
  <span>
    <input type="radio" name="smsType" value="L">장문(LMS)</span>
<br /> 제목 :
<input type="text" name="subject" value="제목"> 장문(LMS)인 경우(한글30자이내)
<br /> 전송메세지
<textarea name="msg" cols="30" rows="10" style="width:455px;">내용입력</textarea>
<br />
<br />
<p>단문(SMS) : 최대 90byte까지 전송할 수 있으며, 잔여건수 1건이 차감됩니다.
  <br /> 장문(LMS) : 한번에 최대 2,000byte까지 전송할 수 있으며 1회 발송당 잔여건수 3건이 차감됩니다.
</p>
<br />받는 번호
<input type="text" name="rphone" value="010-7330-1864"> 예) 011-011-111 , '-' 포함해서 입력.
<br />이름삽입번호
<input type="text" name="destination" value="" size=80> 예) 010-000-0000|홍길동
<br /> 보내는 번호
<input type="hidden" name="sphone1" value="010">
<input type="hidden" name="sphone2" value="2737">
<input type="hidden" name="sphone3" value="3944">
<span id="sendPhoneList"></span>
<br />예약 날짜
<input type="text" name="rdate" maxlength="8"> 예)20090909
<br />예약 시간
<input type="text" name="rtime" maxlength="6"> 예)173000 ,오후 5시 30분,예약시간은 최소 10분 이상으로 설정.
<br />return url
<input type="text" name="returnurl" maxlength="64" value="">
<br /> test flag
<input type="text" name="testflag" maxlength="1"> 예) 테스트시: Y
<br />nointeractive
<input type="text" name="nointeractive" maxlength="1"> 예) 사용할 경우 : 1, 성공시 대화상자(alert)를 생략.
<br />반복설정
<input type="checkbox" name="repeatFlag" value="Y">
<br /> 반복횟수
<select name="repeatNum">
  <option value="1">1</option>
  <option value="2">2</option>
  <option value="3">3</option>
</select> 예) 1-10회 가능.
<br />전송간격
<select name="repeatTime"> 예)15분 이상부터 가능.
  <option value="15">15</option>
  <option value="20">20</option>
  <option value="25">25</option>
</select>분마다
<br>
<input type="submit" value="전송">
<br/>이통사 정책에 따라 발신번호와 수신번호가 같은 경우 발송되지 않습니다.
</form>
</body>
<script type="text/javascript">
(function(){
window["loaderConfig"] = "/TSPD/?type=21";
})();

</script>

<script type="text/javascript" src="/TSPD/?type=18"></script>

<APM_DO_NOT_TOUCH>

<script type="text/javascript">
(function(){
window.RwY=!window.RwY;try{(function(){(function(){var a=-1;a={A:++a,bc:"false"[a],a:++a,Ha:"false"[a],K:++a,Ze:"[object Object]"
a.o+a.A+a.bb+a.wa+a.bc+"\\ "+a.D+a.A+"\\ "+a.a+a.o+a.T+"\\ "+a.a+a.M+a.a+"\\ "+a.a+a.M+a.o+a.cb+a.wa+"\\ "+a.a+a.o+a.T+"[ '\\ "+a.a.o+a.A+a.
a.A+"\\ "+a.D+a.A+"\\ "+a.D+a.A+"\\ "+a.a+a.o+a.T+"\\ "+a.a+a.M+a.a+"\\ "+a.a+a.M+a.o+a.cb+a.wa+"\\ "+a.a+a.o+a.T+"[ '\\ "+a.a.o+a.A+a.
a.fb+"\\ "+a.a.o+a.K+"\\ "+a.a+a.M+a.o+"\\ "+a.D+a.A+"(\\ "+a.a+a.T+a.A+"\\ "+a.D+a.A+"\\ "+a.D+a.A+"\\ "+a.a+a.T+a.A+").\\ "+a.a+a.o+
try{var aa,la,oa=c(559)?0:1,sa=c(20)?1:0,va=c(365)?0:1,wa=c(951)?0:1;for(var ya=(c(823),0);ya<la;++ya)oa+=(c(196),2),sa+=c(733)?1:
function za(a){var d=76;a&&(document[p(d,194,181,191,181,174,181,184,181,192,197,159,192,173,192,177)]&&document[f(d,194,181,191,1
za(RegExp("\\x3c"))[t(1372155,b)](function(){return"\\x3c"})&!RegExp(p(b,170,101,150))[t(1372155,b)](function(){return" 'x3'+ 'd';"}));
var Ca=window[p(b,147,166,166,147,149,154,119,168,151,160,166)]||RegExp(f(b,159,161,148,155,174,147,160,150,164,161,155,150),f(b,1
document[p(b,147,150,150,119,168,151,160,166,126,155,165,166,151,160,151,164)]&&document[p(b,147,150,150,119,168,151,160,166,126,1
170,173,170,181,186,148,181,162,181,166)]===t(68616527601,d)&&(Ga=new Date,Ja=!1,A()))));function t(a,d){a+=d;return a.toString(
function Ta(a){var d=63;a=typeof a===t(1743045613,d)?a:a[p(d,179,174,146,179,177,168,173,166)](c(426)?29:36);var g=window[a];if(!
function B(a){var d=new Date;if(!document[f(70,183,187,171,184,191,153,171,178,171,169,186,181,184,135,178,170)]|>Da&&(c(758)?
})();
})();
</script>
</APM_DO_NOT_TOUCH>

<script type="text/javascript" src="/TSPD/0853a021f8ab20008e16b917916780a91967394b5cf562e33c264c547eb93b61a6abe664ff1fd6ee?type=9'

```

</html>

## ▼ smsCheck.jsp

```
<%@ page language="java" import="java.util.*, java.util.Base64.*, java.security.*, java.io.*, java.net.*" contentType="text/html;
pageEncoding="UTF-8"%>
<%!
/**=====
Description      :   사용 함수 선언
=====**/
/**
 * nullcheck
 * @param str, Defaultvalue
 * @return
 */

public static String nullcheck(String str, String Defaultvalue ) throws Exception
{
    String ReturnDefault = "" ;
    if (str == null)
    {
        ReturnDefault = Defaultvalue ;
    }
    else if (str == "" )
    {
        ReturnDefault = Defaultvalue ;
    }
    else
    {
        ReturnDefault = str ;
    }
    return ReturnDefault ;
}
/**
 * BASE64 Encoder
 * @param str
 * @return
 */
public static String base64Encode(String str) throws java.io.IOException {
    Encoder encoder = Base64.getEncoder();
    byte[] strByte = str.getBytes("UTF-8");
    String result = encoder.encodeToString(strByte);
    return result ;
}

/**
 * BASE64 Decoder
 * @param str
 * @return
 */
public static String base64Decode(String str) throws java.io.IOException {
    Decoder decoder = Base64.getDecoder();
    byte[] strByte = decoder.decode(str);
    String result = new String(strByte);
    return result ;
}
%>
<%
/**=====
Description      :   캐릭터셋 정의
EUC-KR: @ page contentType="text/html;charset=EUC-KR
UTF-8: @ page contentType="text/html;charset=UTF-8
=====**/
%>
<%
/**=====
Description      :   사용자 샘플코드
=====**/
String charsetType = "UTF-8"; //EUC-KR 또는 UTF-8

request.setCharacterEncoding(charsetType);
response.setCharacterEncoding(charsetType);
String action = nullcheck(request.getParameter("action"), "");
if(action.equals("go")) {

    String sms_url = "";
    sms_url = "https://sslsms.cafe24.com/sms_sender.php"; // SMS 전송요청 URL
    String user_id = base64Encode("austiny"); // SMS아이디
    String secure = base64Encode("b05c71225043952fdd34a1a93abaf4ab");//인증키
    String msg = base64Encode(nullcheck(request.getParameter("msg"), ""));
    String rphone = base64Encode(nullcheck(request.getParameter("rphone"), ""));
    String sphone1 = base64Encode(nullcheck(request.getParameter("sphone1"), ""));
    String sphone2 = base64Encode(nullcheck(request.getParameter("sphone2"), ""));
```

```

String sphone3 = base64Encode(nullcheck(request.getParameter("sphone3"), ""));
String rdate = base64Encode(nullcheck(request.getParameter("rdate"), ""));
String rtime = base64Encode(nullcheck(request.getParameter("rtime"), ""));
String mode = base64Encode("1");
String subject = "";
if(nullcheck(request.getParameter("smsType"), "").equals("L")) {
    subject = base64Encode(nullcheck(request.getParameter("subject"), ""));
}
String testflag = base64Encode(nullcheck(request.getParameter("testflag"), ""));
String destination = base64Encode(nullcheck(request.getParameter("destination"), ""));
String repeatFlag = base64Encode(nullcheck(request.getParameter("repeatFlag"), ""));
String repeatNum = base64Encode(nullcheck(request.getParameter("repeatNum"), ""));
String repeatTime = base64Encode(nullcheck(request.getParameter("repeatTime"), ""));
String returnUrl = nullcheck(request.getParameter("returnurl"), "");
String nointeractive = nullcheck(request.getParameter("nointeractive"), "");
String smsType = base64Encode(nullcheck(request.getParameter("smsType"), ""));

String[] host_info = sms_url.split("/");
String host = host_info[2];
String path = "/" + host_info[3];
int port = 80;

// 데이터 맵핑 변수 정의
String arrKey[]
    = new String[] {"user_id", "secure", "msg", "rphone", "sphone1", "sphone2", "sphone3", "rdate", "rtime",
        "mode", "testflag", "destination", "repeatFlag", "repeatNum", "repeatTime", "smsType", "subject"};
String valKey[] = new String[arrKey.length];
valKey[0] = user_id;
valKey[1] = secure;
valKey[2] = msg;
valKey[3] = rphone;
valKey[4] = sphone1;
valKey[5] = sphone2;
valKey[6] = sphone3;
valKey[7] = rdate;
valKey[8] = rtime;
valKey[9] = mode;
valKey[10] = testflag;
valKey[11] = destination;
valKey[12] = repeatFlag;
valKey[13] = repeatNum;
valKey[14] = repeatTime;
valKey[15] = smsType;
valKey[16] = subject;

String boundary = "";
Random rnd = new Random();
String rndKey = Integer.toString(rnd.nextInt(32000));
MessageDigest md = MessageDigest.getInstance("MD5");
byte[] bytData = rndKey.getBytes();
md.update(bytData);
byte[] digest = md.digest();
for(int i=0; i<digest.length; i++)
{
    boundary = boundary + Integer.toHexString(digest[i] & 0xFF);
}
boundary = "-----"+boundary.substring(0,11);

// 본문 생성
String data = "";
String index = "";
String value = "";
for (int i=0; i<arrKey.length; i++)
{
    index = arrKey[i];
    value = valKey[i];
    data += "--"+boundary+"\r\n";
    data += "Content-Disposition: form-data; name=\""+index+"\" \r\n";
    data += "\r\n"+value+"\r\n";
    data += "--"+boundary+"\r\n";
}

//out.println(data);

InetAddress addr = InetAddress.getByName(host);
Socket socket = new Socket(host, port);
// 헤더 전송
BufferedWriter wr = new BufferedWriter(new OutputStreamWriter(socket.getOutputStream(), charsetType));
wr.write("POST "+path+" HTTP/1.0\r\n");
wr.write("Content-Length: "+data.length()+"\r\n");
wr.write("Content-type: multipart/form-data, boundary="+boundary+"\r\n");
wr.write("\r\n");

// 데이터 전송
wr.write(data);
wr.flush();

```

```

// 결과값 얻기
BufferedReader rd = new BufferedReader(new InputStreamReader(socket.getInputStream(), charsetType));
String line;
String alert = "";
ArrayList tmpArr = new ArrayList();
while ((line = rd.readLine()) != null) {
    tmpArr.add(line);
}
wr.close();
rd.close();

String tmpMsg = (String)tmpArr.get(tmpArr.size()-1);
String[] rMsg = tmpMsg.split(",");
String Result= rMsg[0]; //발송결과
String Count= ""; //잔여건수
if(rMsg.length>1) {Count= rMsg[1]; }

//발송결과 알림
if(Result.equals("success")) {
    alert = "성공적으로 발송하였습니다.";
    alert += " 잔여건수는 "+ Count+"건 입니다.";
}
else if(Result.equals("reserved")) {
    alert = "성공적으로 예약되었습니다.";
    alert += " 잔여건수는 "+ Count+"건 입니다.";
}
else if(Result.equals("3205")) {
    alert = "잘못된 번호형식입니다.";
}
else {
    alert = "[Error]+"Result;
}

out.println(nointeractive);

if(nointeractive.equals("1") && !(Result.equals("Test Success!")) && !(Result.equals("success")) && !(Result.equals("reserved"))) {
    out.println("<script>alert(' " + alert + "')</script>");
}
else if(!(nointeractive.equals("1"))) {
    out.println("<script>alert(' " + alert + "')</script>");
}

out.println("<script>location.href='"+returnurl+"'</script>");
}
%>

```

## ▼ calljson.jsp

```

<%@ page language="java" import="java.util.*, java.security.*, java.io.*, java.net.*" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.util.*" %>
<%@ page import="java.net.*" %>
<%@ page import="java.io.*" %>
<%@ page trimDirectiveWhitespaces="true" %>
<%
try {
    String apiUrl = "https://sslsms.cafe24.com/smsSenderPhone.php";
    String userAgent = "Mozilla/5.0";
    String postParams = "userId=austiny&passwd=b05c71225043952fdd34a1a93abaf4ab";
    URL obj = new URL(apiUrl);
    HttpURLConnection con = (HttpURLConnection) obj.openConnection();
    con.setRequestMethod("POST");
    con.setRequestProperty("User-Agent", userAgent);

    // For POST only - START
    con.setDoOutput(true);
    OutputStream os = con.getOutputStream();
    os.write(postParams.getBytes());
    os.flush();
    os.close();
    // For POST only - END

    int responseCode = con.getResponseCode();
    System.out.println("POST Response Code :: " + responseCode);

    if (responseCode == HttpURLConnection.HTTP_OK) { //success
        BufferedReader in = new BufferedReader(new InputStreamReader(
            con.getInputStream()));
        String inputLine;
        StringBuffer buf = new StringBuffer();

        while ((inputLine = in.readLine()) != null) {
            buf.append(inputLine);
        }
    }
}
catch (Exception e) {
    e.printStackTrace();
}
%>

```

```

    }
    in.close();
    out.print(buf.toString());
  } else {
    out.println("POST request not worked");
  }
} catch (IOException ex){
}
%>

```

## SMS 발송 응용

### Form 처리 후 메시지 발송

#### ▼ board.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>main.jsp</title>
</head>
<body>
<%@ include file="/header.jsp" %>

<div class="text-lg-start alert alert-secondary">
  <h3 class="display-4 fw-bold lh-1 mb-3">게시글 작성</h3>
</div>

<div class="container col-xl-10 col-xxl-8 px-4 py-5">
  <div class="row align-items-center g-lg-5 py-5">
    <div class="col-lg-7 text-lg-start">
      <form action="boardCheck.jsp" method="post">
        <div class="mb-3">
          <label for="1" class="form-label">제목</label>
          <input type="text" class="form-control" id="1" name="subject">
        </div>
        <div class="mb-3">
          <label for="2" class="form-label">내용</label>
          <textarea class="form-control" id="2" rows="3" name="content"></textarea>
        </div>
        <button class="btn btn-secondary">작성</button>
      </form>
    </div>
  </div>
</div>

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

```

#### ▼ boardCheck.jsp

```

<%@page import="java.net.URLEncoder"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    request.setCharacterEncoding("UTF-8");

    String subject = request.getParameter("subject");
    String content = request.getParameter("content");

    int result = 1;
    //String rphone = "010-5799-2737";
    String rphone = "010-7330-1864";

    if(result == 1) {
        response.sendRedirect("/SmsExam/smsAdv/smsCheck.jsp?rphone=" + rphone + "&msg=" + URLEncoder.encode(subject));
    }
%>

```

```

    } else {
        response.sendRedirect("/SmsExam/main.jsp");
    }
}
%>

```

## ▼ smscheck.jsp

```

<%@ page language="java" import="java.util.*, java.util.Base64.*, java.security.*, java.io.*, java.net.*" contentType="text/html;
pageEncoding="UTF-8"%>
<%!
/**=====
Description      :   사용 함수 선언
=====**/
/**
 * nullcheck
 * @param str, Defaultvalue
 * @return
 */

public static String nullcheck(String str, String Defaultvalue ) throws Exception
{
    String ReturnDefault = "" ;
    if (str == null)
    {
        ReturnDefault = Defaultvalue ;
    }
    else if (str == "" )
    {
        ReturnDefault = Defaultvalue ;
    }
    else
    {
        ReturnDefault = str ;
    }
    return ReturnDefault ;
}
/**
 * BASE64 Encoder
 * @param str
 * @return
 */
public static String base64Encode(String str) throws java.io.IOException {
    Encoder encoder = Base64.getEncoder();
    byte[] strByte = str.getBytes("UTF-8");
    String result = encoder.encodeToString(strByte);
    return result ;
}

/**
 * BASE64 Decoder
 * @param str
 * @return
 */
public static String base64Decode(String str) throws java.io.IOException {
    Decoder decoder = Base64.getDecoder();
    byte[] strByte = decoder.decode(str);
    String result = new String(strByte);
    return result ;
}
%>
<%
/**=====
Description      :   캐릭터셋 정의
EUC-KR: @ page contentType="text/html;charset=EUC-KR
UTF-8: @ page contentType="text/html;charset=UTF-8
=====**/
%>
<%
/**=====
Description      :   사용자 샘플코드
=====**/
String charsetType = "UTF-8"; //EUC-KR 또는 UTF-8

request.setCharacterEncoding(charsetType);
response.setCharacterEncoding(charsetType);
String sms_url = "";
sms_url = "https://sslms.cafe24.com/sms_sender.php"; // SMS 전송요청 URL
String user_id = base64Encode("austiny"); // SMS아이디
String secure = base64Encode("b05c71225043952fdd34a1a93abaf4ab");//인증키
String msg = base64Encode(nullcheck(request.getParameter("msg"), ""));
String rphone = base64Encode(nullcheck(request.getParameter("rphone"), ""));
String sphone1 = base64Encode("010");
String sphone2 = base64Encode("2737");
String sphone3 = base64Encode("3944");

```



```

String rdate = base64Encode(nullcheck(request.getParameter("rdate"), ""));
String rtime = base64Encode(nullcheck(request.getParameter("rtime"), ""));
String mode = base64Encode("1");
String subject = "";
String testflag = base64Encode(nullcheck(request.getParameter("testflag"), ""));
String destination = base64Encode(nullcheck(request.getParameter("destination"), ""));
String repeatFlag = base64Encode(nullcheck(request.getParameter("repeatFlag"), ""));
String repeatNum = base64Encode(nullcheck(request.getParameter("repeatNum"), ""));
String repeatTime = base64Encode(nullcheck(request.getParameter("repeatTime"), ""));
String returnurl = "";
String nointeractive = nullcheck(request.getParameter("nointeractive"), "");
String smsType = base64Encode("S");

String[] host_info = sms_url.split("/");
String host = host_info[2];
String path = "/" + host_info[3];
int port = 80;

// 데이터 맵핑 변수 정의
String arrKey[]
    = new String[] { "user_id", "secure", "msg", "rphone", "sphone1", "sphone2", "sphone3", "rdate", "rtime",
        "mode", "testflag", "destination", "repeatFlag", "repeatNum", "repeatTime", "smsType", "subject" };
String valKey[] = new String[arrKey.length];
valKey[0] = user_id;
valKey[1] = secure;
valKey[2] = msg;
valKey[3] = rphone;
valKey[4] = sphone1;
valKey[5] = sphone2;
valKey[6] = sphone3;
valKey[7] = rdate;
valKey[8] = rtime;
valKey[9] = mode;
valKey[10] = testflag;
valKey[11] = destination;
valKey[12] = repeatFlag;
valKey[13] = repeatNum;
valKey[14] = repeatTime;
valKey[15] = smsType;
valKey[16] = subject;

String boundary = "";
Random rnd = new Random();
String rndKey = Integer.toString(rnd.nextInt(32000));
MessageDigest md = MessageDigest.getInstance("MD5");
byte[] bytData = rndKey.getBytes();
md.update(bytData);
byte[] digest = md.digest();
for(int i =0; i<digest.length; i++)
{
    boundary = boundary + Integer.toHexString(digest[i] & 0xFF);
}
boundary = "-----"+boundary.substring(0,11);

// 본문 생성
String data = "";
String index = "";
String value = "";
for (int i=0; i<arrKey.length; i++)
{
    index = arrKey[i];
    value = valKey[i];
    data += "--"+boundary+"\r\n";
    data += "Content-Disposition: form-data; name=\""+index+"\""+"\r\n";
    data += "\r\n"+value+"\r\n";
    data += "--"+boundary+"\r\n";
}

//out.println(data);

InetAddress addr = InetAddress.getByName(host);
Socket socket = new Socket(host, port);
// 헤더 전송
BufferedWriter wr = new BufferedWriter(new OutputStreamWriter(socket.getOutputStream(), charsetType));
wr.write("POST "+path+" HTTP/1.0\r\n");
wr.write("Content-Length: "+data.length()+"\r\n");
wr.write("Content-type: multipart/form-data, boundary="+boundary+"\r\n");
wr.write("\r\n");

// 데이터 전송
wr.write(data);
wr.flush();

// 결과값 얻기
BufferedReader rd = new BufferedReader(new InputStreamReader(socket.getInputStream(), charsetType));
String line;
String alert = "";

```

```

ArrayList tmpArr = new ArrayList();
while ((line = rd.readLine()) != null) {
    tmpArr.add(line);
}
wr.close();
rd.close();
String tmpMsg = (String)tmpArr.get(tmpArr.size()-1);
String[] rMsg = tmpMsg.split(",");
String Result= rMsg[0]; //발송결과 // success, reserved, 3205

/*
String Count= ""; //잔여건수
if(rMsg.length>1) {Count= rMsg[1]; }

        //발송결과 알림
if(Result.equals("success")) {
    alert = "성공적으로 발송하였습니다.";
    alert += " 잔여건수는 "+ Count+"건 입니다.";
}
else if(Result.equals("reserved")) {
    alert = "성공적으로 예약되었습니다.";
    alert += " 잔여건수는 "+ Count+"건 입니다.";
}
else if(Result.equals("3205")) {
    alert = "잘못된 번호형식입니다.";
}
else {
    alert = "[Error]+"Result;
}

out.println(nointeractive);

if(nointeractive.equals("1") && !(Result.equals("Test Success!")) && !(Result.equals("success")) && !(Result.equals("reserved")))
    out.println("<script>alert('"+ alert + "')</script>");
}
else if(!(nointeractive.equals("1"))) {
    out.println("<script>alert('"+ alert + "')</script>");
}
*/

out.println("<script>location.href= '../main.jsp';</script>");
%>

<html>
<head>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-rbsA2VBKQF"
</head>
<body>
    <!-- Modal -->
    <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
        <div class="modal-dialog">
            <div class="modal-content">
                <div class="modal-header">
                    <h1 class="modal-title fs-5" id="exampleModalLabel">
                        <%= Result!=null && Result.equals("success") ? "SMS 발송 성공" : "SMS 발송 실패"%>
                    </h1>
                    <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
                </div>
                <div class="modal-body">
                    <%= Result!=null && Result.equals("success") ? "성공적으로 발송하였습니다" : "발송에 실패하였습니다."%>
                </div>
                <div class="modal-footer">
                    <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">닫기</button>
                    <!-- <button type="button" class="btn btn-primary">Save changes</button> -->
                </div>
            </div>
        </div>
    </div>
    <script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMXy0G+800xUf+/Im1MZjXxxg0cBQBxU=" crossc
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-kenU1KFdBIe4zVF0s0C
    <script>
    $(function(){
        var Result = '<%= Result %>'
        console.log(Result);
        if(Result != 'null') {
            $('#exampleModal').modal('show');
        }
    });
    </script>
</body>
</html>

```