预习

1.二级联动

1.1 页面代码

页面:

```html
<body>
<div align="center">
    省份:<select name="province" id="province">
    <option value="请选择">请选择</option>
    <c:forEach items="${province}" var="p">
        <option value="${p.base_areaid}">${p.name}</option>
    </c:forEach>
</select>
    城市: <select name="city" id="city">
    <option value="请选择">请选择</option>
</select>

    </select>
    乡镇: <select name="village" id="village">
    <option value="请选择">请选择</option>
</select>
```

jQuery代码

```javascript
$(function () {
    $("#province").change(function () {
        var province = $("#province").val();
        $.ajax({
            type: "post",
            url: "levelLinkage",
            data: {"province": province},
            dataType: "json",
            success: function (msg) {
                $("#city").html("<option value='请选择'>请选择</option>");
                for (var i = 0; i < msg.length; i++) {
                    $("#city").append("<option value=" + msg[i].id + ">" + msg[i].name + "</option>");
                }
            }, error: function () {
                alert("调用失败");
            }
        });
    });
});
```

1.2 servlet代码

初始化servlet:

```java
@WebServlet(name = "InitServlet",urlPatterns = "/init")
public class InitServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

    }

    @Override
    protected void service(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {
        req.setCharacterEncoding("utf-8");
        resp.setCharacterEncoding("utf-8");
        resp.setContentType("text/html");
        SearchService searchService=new SearchServiceImpl();
        //查询出所有省份
        List<City> cities = searchService.searchProvince();
        req.setAttribute("province",cities);
        req.getRequestDispatcher("index.jsp").forward(req,resp);
```

省份查询servlet:

```java
@javax.servlet.annotation.WebServlet(name = "LevelServlet",urlPatterns = "/levelLinkage")
public class LevelServlet extends javax.servlet.http.HttpServlet {
    private SearchService searchService=new SearchServiceImpl();

    protected void doPost(javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response) throws
        //设置编码
        request.setCharacterEncoding("utf-8");
        response.setContentType("text/html");
        response.setCharacterEncoding("utf-8");
        //获取省份
        String province = request.getParameter("province");
        System.out.println(province);
        int id=Integer.valueOf(province);
//       HashMap<String,List<String>> hashMap= Util.getMap();
//          //根据省份获取对应省份的城市的list集合
//        List<String> strings = hashMap.get(province);
//        JSONArray jsonArray = JSONArray.fromObject(strings);
//        response.getWriter().write(jsonArray.toString());
        List<City> list= searchService.searchCity(id);
        JSONArray jsonArray = JSONArray.fromObject(list);
        response.getWriter().write(jsonArray.toString());
```

城市查询servlet:

```java
@WebServlet(name = "CityServlet",urlPatterns = "/city")
public class CityServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {}

    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {}

    @Override
    protected void service(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {
        //设置编码
        SearchService searchService =new SearchServiceImpl();
        req.setCharacterEncoding("utf-8");
        resp.setContentType("text/html");
        resp.setCharacterEncoding("utf-8");
        //获取省份
        String city = req.getParameter("city");
        System.out.println(city);
        int id=Integer.valueOf(city);
        //根据城市id查找出乡镇id
        List<City> list= searchService.searchVillage(id);
        JSONArray jsonArray = JSONArray.fromObject(list);
        resp.getWriter().write(jsonArray.toString());
```

1.3 服务层代码

```java
   create By weibin on 2020/3/9 21:01
*/
public class SearchServiceImpl implements SearchService {
    private SearchDao searchDao=new SearchDaoImpl();
    //查询省份
    @Override
    public List<City> searchProvince() {

        return  searchDao.selProvince();

    }
    //根据省份查找城市
    @Override
    public List<City> searchCity(int id) {
        return searchDao.selCity(id);

    }
    //根据城市查找乡镇
    @Override
    public List<City> searchVillage(int id) { return searchDao.selCity(id); }
}
```

1.4 dao层代码

```java
    @Override
    public List<City> selProvince() {
        List<City> list = new ArrayList<>();

        try {
            pst = getCon().prepareStatement( sql: "select * from base_area where parentid=0");
            rs = pst.executeQuery();
            while (rs.next()) {
                City city=new City();
                city.setBase_areaid(rs.getInt( columnIndex: 1));
                city.setName(rs.getString( columnIndex: 2));
                city.setParentid(rs.getInt( columnIndex: 3));
                city.setVieworder(rs.getInt( columnIndex: 4));
                list.add(city);
            }
            close(con,pst,rs);
        } catch (Exception e) {
            e.printStackTrace();
        }
        return list;
    }
```
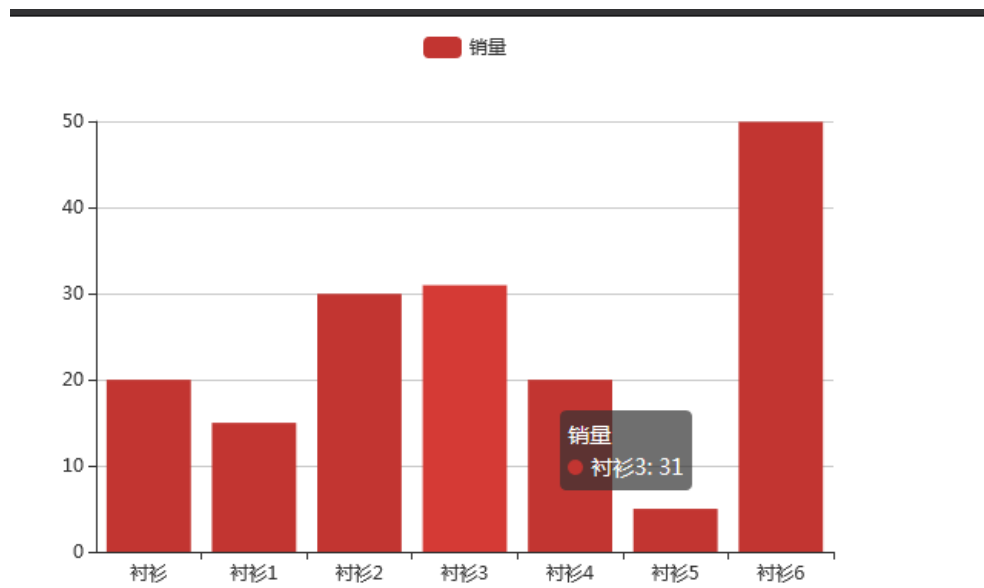
1.5 效果图

省份: 湖南 ∨ 城市: 岳阳 ∨ 乡镇: 请选择 ∨

| 请选择 |
| 岳阳楼区 |
| 云溪区 |
| 君山区 |
| 岳阳县 |
| 华容县 |
| 湘阴县 |
| 平江县 |
| 汨罗市 |
| 临湘市 |

2.Echarts

2.1 html代码

```html
<body>
        <div id="main" style="width: 600px;height: 400px;"></div>
        <script>
            //首先根据echarts.init(id)方法进初始化
            var myCharts=echarts.init(document.getElementById("main"));
            // 指定图表的配置项和数据
            var option={
                title:{
                    Text:'echarts的入门案例'
                },
                tooltip:{},
                legend:{
                    data:['销量']
                },
                xAxis:{
                    data:["衬衫","衬衫1","衬衫2","衬衫3","衬衫4","衬衫5","衬衫6"]
                },
                yAxis:{},
                series:[{
                    name:'销量',
                    type:'bar',
                    data:[20,15,30,31,20,5,50]
                }]
            };
            myCharts.setOption(option);
        </script>
</body>
```

销量

2.2 效果图