

Need for ModelAttribute

@ModelAttribute:

- Binds form data to an object and adds it to the model. Example:

```
public String addAlien(@ModelAttribute Alien alien) { ... }
```

1. Change index.jsp

```
<h2>Telusko Calculator</h2>

<form action="addAlien">
  <label for="aid">Enter Id : </label>
  <input type="text" id="aid" name="aid"><br>
  <label for="aname">Enter Name :</label>
  <input type="text" id="name" name="name"><br>
  <input type="submit" value="Submit">
</form>
```

2. Create Controller for addAlien

Before using ModelAttribute, we are using the RequestParam annotation.

```
@RequestMapping("addAlien")
public ModelAndView addAlien(@RequestParam("aid") int aid,
    @RequestParam("aname") String aname, ModelAndView mv) {
    int result = num1 + num2;

    mv.addObject(attributeName: "result", result);
    mv.setViewName("result");

    return mv;
}
```

3. Create an Alien class

```
public class Alien {  
    private int aid;  
    private String aname;  
  
    //Setters & Getters  
}
```

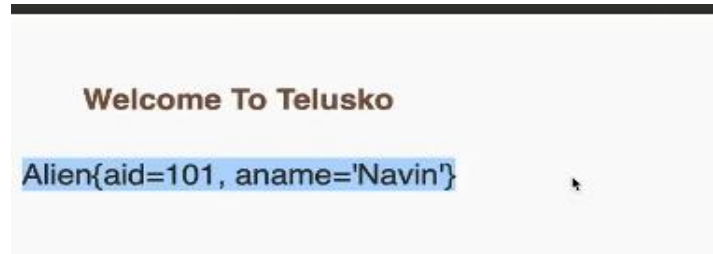
4. Make some changes in the addAlien controller.

```
@RequestMapping("addAlien")  
public ModelAndView addAlien(@RequestParam("aid") int aid, @RequestParam("aname")  
String aname, ModelAndView mv) {  
    Alien alien = new Alien();  
    alien.setAid(aid);  
    alien.setAname(aname);  
  
    mv.addObject("alien", alien);  
    mv.setViewName("result");  
  
    return mv;  
}
```

5. Create an result.jsp

```
<% @page language="java" %>  
  
<html>  
    <head>  
        <link rel="stylesheet" type="text/css" href="style.css">  
    </head>  
  
    <body>  
        <h2>Welcome To Telusko</h2>  
  
        <p>${alien}</p>  
    </body>  
</html>
```

Output:



- ⇒ A better way is to take the whole property value into a single Alien object. (We can see this in the next lecture.).
- ⇒ Inside HomeController, add method as courseName.

```
@ModelAttribute("course")  
public String courseName() {  
    return "Java";  
}
```