**Creation of RESTful web service:**

First, we should need to create Employee class in spring boot, which contains first\_name, last\_name, employee\_id, email, and title variables. These variables should be specified with private modifier. This Employee class is called as **Model**or **Entity** class. It should implement constructors, getter setters and other methods.

Next, we need to create **EmployeeController** class and map to the URI **(“/ “).** In the class, we need to create methods that returns a *ModelAndView*object, and it will map to a **GET/POST/PUT/DELETE** request. Thus, any URL call ending with **“/”** will be routed by the *DispatcherServlet*to the ***getEmployeeData***method in the *EmployeeController.*

**GET** is used to read or retrieve the all data, **POST** is used to add or create data, **PUT** is used to update the existing data and **DELETE** is used to delete the data.

* To get the full list of employee data, we should send the GET Request. Then it’ll show like this

{  
   "employeeList": [  
       {  
           "employee\_id": 1,  
           "first\_name": "Pooja",  
           "last\_name": "Reddi",  
           "email": "pooja@gmail.com",  
           "title": "puja"  
       },  
       {  
           "employee\_id": 2,  
           "first\_name": "Ramya",  
           "last\_name": "Pyla",  
           "email": "ramya@gmail.com",  
           "title": "rams"  
       },  
       {  
           "employee\_id": 3,  
           "first\_name": "Sai",  
           "last\_name": "Palla",  
           "email": "sai@gmail.com",  
           "title": "sai"  
       }  
   ]  
}

* To create or add data we should use POST Request, then you should add this,

     {  
           "employee\_id": 4,  
           "first\_name": "Jahnavi",  
           "last\_name": "dola",  
           "email": "jaanuf@gmail.com",  
           "title": "janu"  
       }

* To read the data after sending the POST requesting, then you should send GET request again. Then It’ll show this

{  
   "employeeList": [  
       {  
           "employee\_id": 1,  
           "first\_name": "Pooja",  
           "last\_name": "Reddi",  
           "email": "pooja@gmail.com",  
           "title": "puja"  
       },  
       {  
           "employee\_id": 2,  
           "first\_name": "Ramya",  
           "last\_name": "Pyla",  
           "email": "ramya@gmail.com",  
           "title": "rams"  
       },  
       {  
           "employee\_id": 3,  
           "first\_name": "Sai",  
           "last\_name": "Palla",  
           "email": "sai@gmail.com",  
           "title": "sai"  
       },  
       {  
           "employee\_id": 4,  
           "first\_name": "Jahnavi",  
           "last\_name": "dola",  
           "email": "jaanuf@gmail.com",  
           "title": "janu"  
       }  
   ]  
}