**Life Fitness Employee Management API Documentation**

1. **Save new employee**

**Method:** POST

**API:** /employees/

**Sample Input:**

{

    "firstName": "John",

    "lastName": "Rose",

    "email": "Johnrose.com",

    "gender": "male",

    "department": {

        "departmentId":501,

        "name": "Development and testing"

    },

    "salary" : {

        "basicSalary": 15000,

        "allowance": 0

    }

}

**Sample output:**

{

    "firstName": "John",

    "lastName": "Rose",

    "email": "Johnrose.com",

    "gender": "male",

    "department": {

        "departmentId":501,

        "name": "Development and testing"

    },

    "salary" : {

        "basicSalary": 15000,

        "allowance": 0

    }

}

1. **List All Employees:**

**Method:** POST

**API:** /employees/

**Sample output:**

[

    {

        "employeeId": 1,

        "firstName": "sarah Kumar",

        "lastName": "tesla kumar",

        "email": "tesla.com",

        "gender": "FEMALE",

        "department": {

            "departmentId": 501,

            "name": "Development and testing"

        },

        "salary": {

            "employeeId": 1,

            "basicSalary": 15000.0,

            "allowance": 20000.0

        }

    },

    {

        "employeeId": 2,

        "firstName": "Mark",

        "lastName": "David",

        "email": "markdavid.com",

        "gender": "MALE",

        "department": {

            "departmentId": 501,

            "name": "Development and testing"

        },

        "salary": {

            "employeeId": 2,

            "basicSalary": 20000.0,

            "allowance": 25000.0

        }

    }

]

1. **Update Existing Employee**

**Method:** POST

**API:** /employees/update/1

**Sample Input:**

{

    "firstName": "Mark",

    "lastName": "David",

    "email": "markdavid.com",

    "gender": "male",

    "department": {

        "departmentId":501,

        "name": "Development and testing"

    },

    "salary" : {

        "basicSalary": 50000,

        "allowance": 25000

    }

}

**Sample Output**:

{

    "employeeId": 2,

    "firstName": "Mark",

    "lastName": "David",

    "email": "markdavid.com",

    "gender": "MALE",

    "department": {

        "departmentId": 501,

        "name": "Development and testing"

    },

    "salary": {

        "employeeId": 2,

        "basicSalary": 20000.0,

        "allowance": 25000.0

    }

}

1. **Delete an Employee**

**Method:** DELETE

**API:** /employees/1

**Sample output:** Employee deleted successfully

1. **Get Employee By Id**

**Method:** GET

**API:** /employees/2

**Sample output:**

{

    "employeeId": 2,

    "firstName": "Mark",

    "lastName": "David",

    "email": "markdavid.com",

    "gender": "MALE",

    "department": {

        "departmentId": 501,

        "name": "Development and testing"

    },

    "salary": {

        "employeeId": 2,

        "basicSalary": 20000.0,

        "allowance": 25000.0

    }

}

1. **Get Employee By Gender**

**Method :** GET

**API :** /employees/gender/male

**Sample output:**

[

    {

        "employeeId": 2,

        "firstName": "Mark",

        "lastName": "David",

        "email": "markdavid.com",

        "gender": "MALE",

        "department": {

            "departmentId": 501,

            "name": "Development and testing"

        },

        "salary": {

            "employeeId": 2,

            "basicSalary": 20000.0,

            "allowance": 25000.0

        }

    }

]

1. **Get Employee By Department Id**

**Method:** GET

**API:** /employees/department/501

**Sample output:**

[

    {

        "employeeId": 1,

        "firstName": "sarah Kumar",

        "lastName": "tesla kumar",

        "email": "tesla.com",

        "gender": "FEMALE",

        "department": {

            "departmentId": 501,

            "name": "Development and testing"

        },

        "salary": {

            "employeeId": 1,

            "basicSalary": 15000.0,

            "allowance": 20000.0

        }

    },

    {

        "employeeId": 2,

        "firstName": "Mark",

        "lastName": "David",

        "email": "markdavid.com",

        "gender": "MALE",

        "department": {

            "departmentId": 501,

            "name": "Development and testing"

        },

        "salary": {

            "employeeId": 2,

            "basicSalary": 20000.0,

            "allowance": 25000.0

        }

    }

]

1. **Get Employee by Department Id with minimum basic salary**

**Method :** GET

**API:** /employees/department/501/minsalary

**Sample output:**

[

    {

        "employeeId": 1,

        "firstName": "sarah Kumar",

        "lastName": "tesla kumar",

        "email": "tesla.com",

        "gender": "FEMALE",

        "department": {

            "departmentId": 501,

            "name": "Development and testing"

        },

        "salary": {

            "employeeId": 1,

            "basicSalary": 15000.0,

            "allowance": 20000.0

        }

    }

]

1. **Get tax for employee by employee id**

**Method:** GET

**API:** /employees/tax/2

**Sample output:**

{

    "totalSalary": 45000.0,

    "employeeId": 2,

    "taxAmount": "$200.0"

}