**OSUMARE API DOCUMENTATION**

* Prerequisites
  + Run the Project through ECLIPSE IDE on Apache Tomcat Server with the host name as ‘localhost’ and port number as ‘8080’.
  + Enter the request URLs in the Postman Tool with the required request data (path variable, params, body, etc.)

1. **Create task API**

**Method :** POST

**URL :** localhost:8080/task/tasks

**Body :**

{

    "id" : 1,

    "title" : "Create Task",

    "description" : "This API is responsible create 1 object of TaskDTO class"

}

**Response Status :** 200 OK

**Response Body :**

{

    "id": 1,

    "title": "Create Task",

    "description": "This API is responsible create 1 object of TaskDTO class"

}

This API is responsible to create a single object of 'Task' and add to the memory. It accepts a json body through the request which includes the object properties for 'task'

1. **Get task by ID**

**Method :** GET

**URL :** localhost:8081/task/tasks/5

**Body :** None

**Response Status :** 200 OK

**Response Body :**

{

    "id": 5,

    "title": "Delete Task By ID",

    "description": "This API is responsible delete 1 object of TaskDTO class based on 'id' value"

}

This API is responsible to retrieve a single object of task, from the memory, based on the id value

1. **Get all tasks**

**Method :** GET

**URL :** localhost:8081/task/tasks

**Body :** None

**Response Status :** 200 OK

**Response Body :**

[

    {

        "id": 5,

        "title": "Delete Task By ID",

        "description": "This API is responsible delete 1 object of TaskDTO class based on 'id' value"

    },

    {

        "id": 1,

        "title": "Create Task",

        "description": "This API is responsible create 1 object of TaskDTO class"

    }

]

This API is responsible to retrieve all the objects of task from the memory

1. **Update task by ID**

**Method :** PUT

**URL :** localhost:8081/task/tasks/1

**Body :**

{

        "title": "Create Single Task",

        "description": "This API is responsible create 1 object of TaskDTO class"

}

**Response Status :** 200 OK

**Response Body :**

{

        "id": 1,

        "title": "Create Single Task",

        "description": "This API is responsible create 1 object of TaskDTO class"

 }

This API is responsible to update a single object of task, from the memory, based on the id value. It accepts a json body which includes the title and description properties of the task object

1. **Delete task by ID**

**Method :** DELETE

**URL :** localhost:8081/task/tasks/1

**Body :** None

**Response Status :** 200 OK

**Response Body :**

{

        "id": 1,

        "title": "Create Single Task",

        "description": "This API is responsible create 1 object of TaskDTO class"

 }

This API is responsible to delete a single object of task, from the memory, based on the id value