PROJECT DEVELOPMENT

Think about a server that have the main goal of create routes based of some deliveries, we had some rules to create a route that are:

- A route need to have at least two deliveries.
- A route is composed by steps, each step is a part of a delivery, for example: We have delivery one with pickup_1 and delivery_1 and delivery two with pickup_2 and delivery_2. So the steps of the route could be pickup_1, pickup_2, delivery_1, delivery_2.

So your work as a developer of this amazing company is to create an endpoint to create an optimized route, you have an array of deliveries, each delivery have the following structure:

{ id: 1, pickup_location: [23, 45], delivery_location: [23, 56], distance: 7, traffic: 5 }

🔑 The pickup and delivery location have the structure [lat, long]. The distance is the amount of kilometers that separates the pickup from the delivery point. The Traffic is a value between 1 and 5, if the value is higher it means that it has more traffic.

The POST endpoint that you are developing receive the following structure:

```
{
        "maximun_distance": integer,
        "considerer_traffic": boolean,
        "plot": boolean,
        "maximun_distance_between_points": integer
}
```

The response that you need to send needs to have the following structure

```
{
        "routeId": integer (generic number is ok),
        "steps": array [ { point: [lat, long], id: integer }, ..... ]
}
```

Deliverable:

- The response and times with the following inputs

{ maximun_distance: 1000000, considerer_traffic: true }
{ maximun_distance: 40, considerer_traffic: false}

- **Extra points if you show the response and times with the following input**

```
{
        maximun_distance: 1000,
        considerer_traffic: true,
        plot: true,
        maximun_distnace_between_points: 5
}
```

Please upload all your code into We a github repository and share with us the solution.