Section 5 Adding the controller to our application

🌿So far we have seen the basics of spring boot framework. Now we are going to see the this all from the simple three layers of the application which will make it easy for us to understand.

🌿Now if we run the application, spring boot itself will take care of the embedded tomcat server and hence we will be able to access it on our local machine via local host.

🌿Now when I say we are able to access it what do i actually mean? I mean that we will be able to send the http request to the application.

🌿Every application has a simple skeleton which makes it work as per our expectations. The first layer is called as the Controller layer what it does is that it takes all the http requests that comes to the application.

🌿The controller layer is the entry point of the application. It determines where to send the request depending on the request type.

🌿These HTTP requests are then sent to the service class. This is the second layer of the application where the actual behavior of the application is decided. We write all the business logic in the service layer.

🌿This service layer is the brain of the application. This decided whether to fetch the data from the database or to update the data to the database.

🌿Depending on the HTTP requests that are sent to the application the service layer is made to communicate with the repository layer and this repository layer ultimately communicates with the database.

🌿The repository layer is responsible for the all the manipulations of the database.

🌿So in this way the request is served of the user who tries to connect to the application.

So this is the workflow of all the application across the IT world.

Hence now we will make the controller to our application.

Currently if we run the application and try to access it from the local host then it will give us the error. The error will be because there is nothing which is set to accept our incoming request. And not only that there is nothing even to tell us what is the error that it is causing. Hence there is always a default error page which it shows.

In next Section we will try to make our first controller.