**ONLINE QUIZ PORTAL WITH REST APIS**

**Github link:**

[**https://github.com/saranya611/testapp/tree/main/AssessmentProjects**](OnlineQuizPortal_code.docx)

**Write up:**

* Created a maven project named as OnlineQuizPortal-Rest
* In pom.xml file the necessary dependencies are added and in the application.properties file details about the database are given.
* Created Admin table in the Mysql. Admin will not have any registration. The admin can only login with the credentials given in the database, then the login is done for admin.
* Created tables in the database for respective bean classes, spontaneously.
* Created a controller named “MainController.java” helps in controlling all the other classes together.
* Created Repository classes consist of adminrepo.java, questionrepo.java, quizrepo.java, testrepo.java and userrepo.java.
* In order to interface the respective repositories they are extended with JpaRepository using them.
* Created a service class which consists of all the necessary conditions for proper operation of the portal which looks like validating credentials and so on.
* Then service class is connected with main controller. Main controller helps in connecting with localhost .Request mapping and post mapping consists of the mapping value in main controller.
* The main class “Onlinequizportalrestapplication.java” contains contents that enables the spring boot applications, JpaRepositories and entities.
* Postman is an API platform for building and using APIs.
* Postman simplifies each step of the API lifecycle and streamlines collaboration so that we can create better APIs.
* So Postman is used for creating this online quiz portal with multiple rest apis.