**Online Quiz Portal Using REST APIs-Writeup**

1.Import all the necessary dependencies like JPA, WEB, MYSQL .

2.Create a controller for Admin and for Participants separately.

3.Both the Controller have methods accessing the tables in the database, taking the port number 8080 for the Admin and the port number 8085 for the participant.

4.Admin controller have REST APIs which can login and change their password.

5.Admin can insert a new question into the quiz and can view all the questions.

6.Admin can view all the questions in a particular quiz having unique quiz id.

7.The Participant can login and they can only login if they haven’t attempted the quiz once.

8.The Participant can take the quiz by answering the questions having unique quiz id and unique question id.

9.The Participant is shown at instance whether his answer is right or wrong while he answers a particular question.

10.After attempting the quiz the marks table along with the user id and his score are stored.

11.The Participant can also check the standings based on the count of correct answers which is collected by a query.

12. A list of ranking in descending order with user id and his score is shown to the participant while he check the rankings.

13.The user can also check his individual score by entering his user id in the postman.