PHASE#3 - ASSESSMENT
ONLINE QUIZ PORTAL USING REST API's

Description
To create an online quiz portal with multiple REST API's where users can browse different quizzes, attempt them, and find their scores and standings.

$ application. properties
```
Spring.application.name = Online-quiz
Spring.jpa.hibernate.ddl-auto = update
Spring.datasource.url=jdbc:mysql://localhost:3306/mco
Spring.datasource.password = root
Spring.datasource.username = root
Spring.datasource.driver-class-name = com.mysql.cj.
                                    jdbc.Driver

Spring.jpa.show-sql : true
Spring.jpa.properties.hibernate.format-sql = true
logging.level.org.hibernate.SQL = DEBUG
logging.level.org.hibernate.type = TRACE
```

$ MainController.java
```
package com.controller;


@RestController
@RequestMapping(value="/mcq", produces="application/
                                        json")

public class MainController{
    @Autowired
    UserSer us;
    @Autowired
    AdminSer as;
```

```java
@ PostMapping (value = "userLogin", Consumes =
                    MediaType.APPLICATION_JSON_VALUE)
public String userLogin(@RequestBody User u)
{
    return us.userLogin(u.getEmailid(), u.getPassword);
}


@ PostMapping (value = "userRegister", Consumes =
                    MediaType.APPLICATION_JSON_VALUE)
public String userLogin(@RequestBody User u)
{
    return us userLogin(u.getEmailid(), u.getPassword);
    return us.userRegister(u);
}


@ PostMapping (value = "adminLogin", Consumes =
                    MediaType.APPLICATION_JSON_VALUE)
public String adminLogin(@RequestBody Admin u)
{
    return as.adminLogin(u);
}


@ PostMapping (value = "adminupdate", Consumes =
                    MediaType.APPLICATION_JSON_VALUE)
public String adminupdate(@RequestBody Admin u)
{
    return as.adminupdate(u);
}


@ PostMapping(value = "addQuestion", Consumes =
                    MediaType.APPLICATION.JSON_VALUE)
public String addQuestion(@RequestBody Question q)
```

```
{
    return qs.addQuestion(q);
}

② PostMapping (value = "addQuiz" Consumes = MediaType.
                            APPLICATION_JSON_VALUE)
public String addQuiz(@RequestBody Quiz q)
{
    return qs.addQuiz(q);
}
```

GET

```
① GETMapping (value = "ViewAllQuiz", produces = MediaType.
                            APPLICATION_JSON_VALUE)
public List<Quiz> ViewAllQuiz()
{
    return qs.ViewAllQuiz();
}

② GETMapping (value = "quizinfo", produces = MediaType.
                            APPLICATION_JSON_VALUE)
public Statistics quizinfo()
{
    return qs.quizinfo();
}

③ GETMapping (value = "ViewQuiz", produces = MediaType.
                            APPLICATION_JSON_VALUE)
public List<Object> ViewQuiz()
{
    return us.ViewAllQuiz();
}
```

```java
@PostMapping(value = "takeTest", Consumer= Medic Type.
                           APPLICATION_JSON_VALUE)
public String takeTest(@RequestBody Test t)
{
    return us.takeTest(t);
}

@GETMapping(value = "getAllTest", producer= MedicType.
                           APPLICATION_JSON_VALUE)
public List<Test> getAllTest()
{
    return us.getTestList();
}

@GETMapping(value = "getresult", produces= MedicType.
                           APPLICATION_JSON_VALUE)
public List<Result> getResult()
{
    return us.result();
}

@GETMapping(value="getAdmin Result", produces=
                 MedicType.APPLICATION_JSON_VALUE)
public List<Result> getAdmin Result()
{
    return us.result();
}
```