Quizz project:-

Implementing questions:-

addNewQuestion:-

----

getAllQuestions:-

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getById implementing with custom exception:--

```
1  {
2      "message": "question with this id not found2",
3      "status": "questionNotFound"
4  }
```

getById:;

```
1  {
2      "id": 1,
3      "questionText": "Which keyword is used to inherit a class in Java?",
4      "opt1": "extends",
5      "opt2": "implements",
6      "opt3": "inherits",
```

updateQuestion:-

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http://localhost:8080/updateQuestion/1

| PUT | http://localhost:8080/updateQuestion/1 | Send |

Params Authorization Headers (8) Body ● Pre-request Script Tests Settings   Cookies

● none ● form-data ● x-www-form-urlencoded ● raw ● binary JSON ∨   Beautify

```
 5    "opt3": "inherits",
 6    "opt4": "super",
 7    "correctAnswer": "extends",
 8    "level": "EASY",
 9    "category": "java"
10  }
11
```

Body Cookies Headers (5) Test Results   200 OK 496 ms 368 B Save Response ∨

Pretty Raw Preview Visualize JSON ∨

```
 1  {
 2    "id": 1,
 3    "questionText": "Which keyword is used to inherit a class in Java?",
 4    "opt1": "extends",
 5    "opt2": "implements",
 6    "opt3": "inherits",
```

deleteQuestion:-

http://localhost:8080/deleteQuestion/1

| DELETE | http://localhost:8080/deleteQuestion/1 | Send |

Params Authorization Headers (8) Body ● Pre-request Script Tests Settings   Cookies

Headers   ⊙ 8 hidden

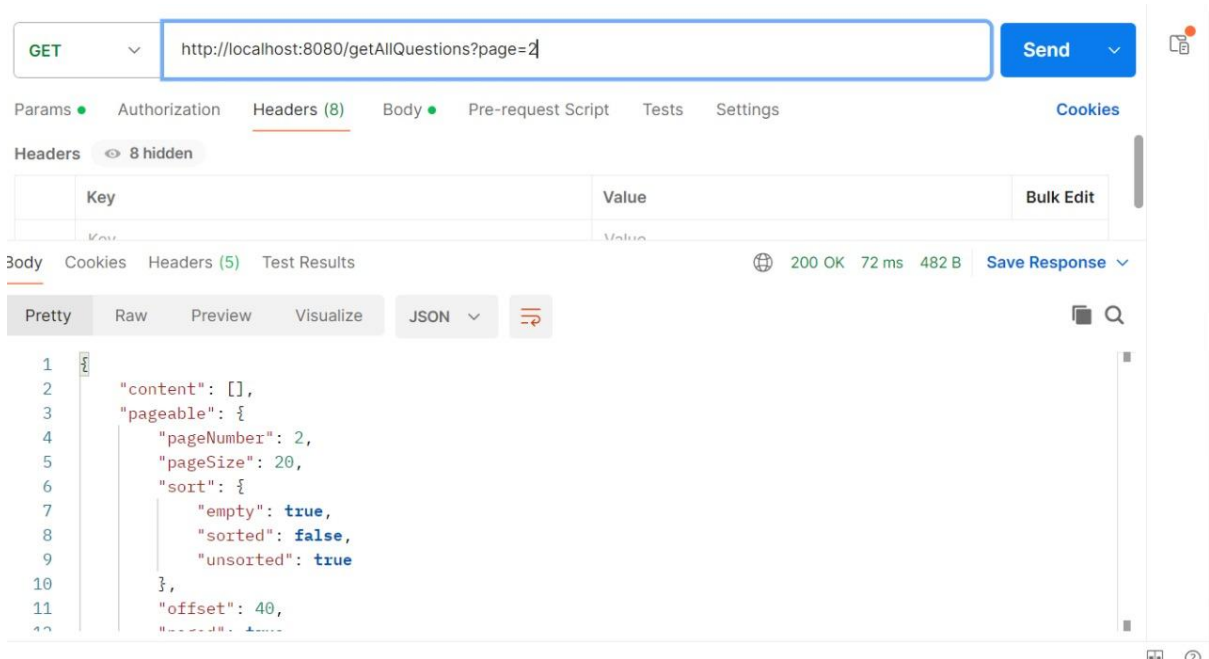| Key	Value	Bulk Edit
Key	Value	

Body Cookies Headers (4) Test Results   200 OK 749 ms 123 B Save Response ∨
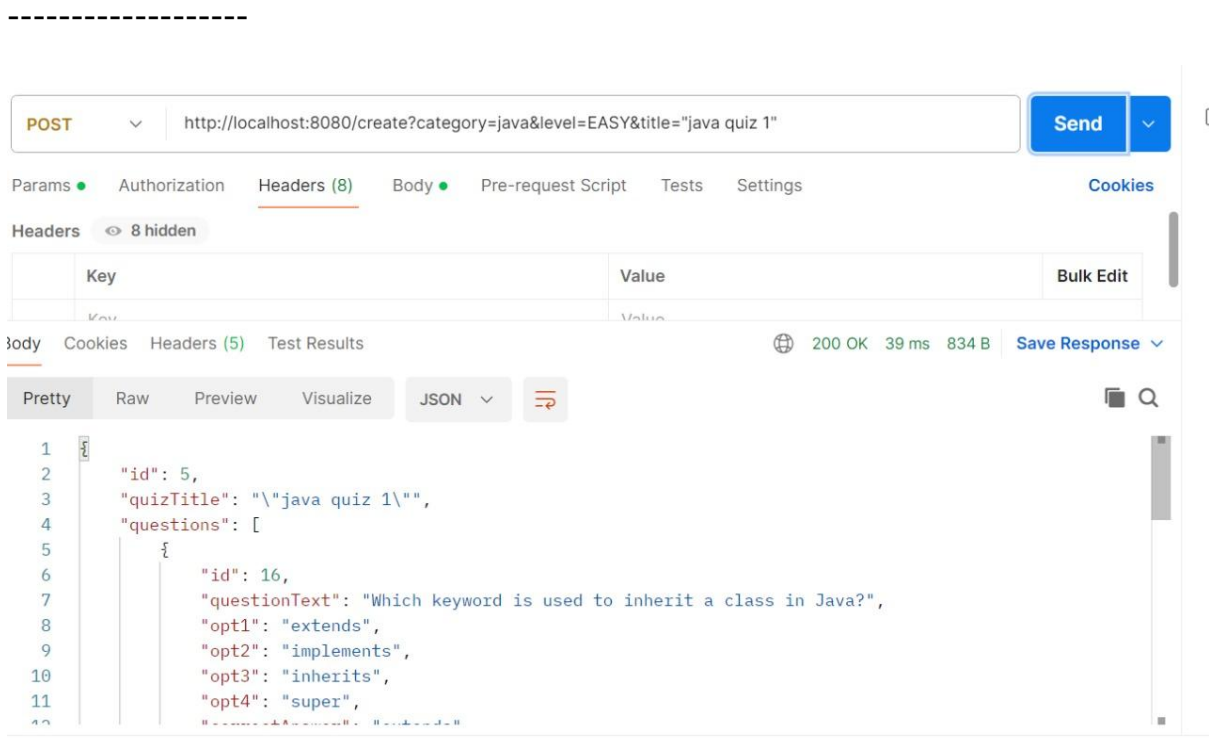
Pretty Raw Preview Visualize Text ∨

```
 1
```

getAll question with implementing pagenation:--

```
1  {
2      "content": [],
3      "pageable": {
4          "pageNumber": 2,
5          "pageSize": 20,
6          "sort": {
7              "empty": true,
8              "sorted": false,
9              "unsorted": true
10         },
11         "offset": 40,
```

Quiz implementation

Create quiz:-

```
1  {
2      "id": 5,
3      "quizTitle": "\"java quiz 1\"",
4      "questions": [
5          {
6              "id": 16,
7              "questionText": "Which keyword is used to inherit a class in Java?",
8              "opt1": "extends",
9              "opt2": "implements",
10             "opt3": "inherits",
11             "opt4": "super",
```

Get Quiz BY id:--

Submitting quiz with getting score on console:-

Implementing Aop:--

```
1  package com.example.demo.aop;
2
3⊖ import org.aspectj.lang.JoinPoint;
4  import org.aspectj.lang.annotation.Aspect;
5  import org.aspectj.lang.annotation.Before;
6  import org.springframework.stereotype.Component;
7
8  @Aspect
9  @Component
10 public class LoggingAspect {
11
12     @Before("execution(* com.example.demo.service.*.*(..))")
13⊖    public void logBefore(JoinPoint joinPoint) {
14         System.out.println("AOP BEFORE: Calling method - " + joinPoint.getSignature().g
15     }
16 }
17
18 |
```

Implemented logging:-

```
@GetMapping("/getQuizByID/{id}")
public List<QuestionWrapper> getQuizQuestions(@PathVariable Integer id){
  Log.info("quiz starting....");
  |
    return quizService.getQuizQuestions(id);
}
```

Implementing validations:-

```
@Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
private Long id;
@NotNull(message="question not be null")
private String questionText;

private String opt1;
```