QUESTIONS ENDPOINTS

@POSTMAPPING

@GETMAPPING

@PUTMAPPING

SELECT * FROM quiz_db.question;

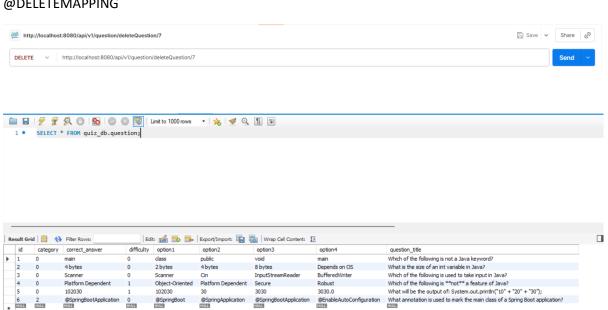| id	category	correct_answer	difficulty	option1	option2	option3	option4	question_title
1	0	main	0	class	public	void	main	Which of the following is not a Java keyword?
2	0	4 bytes	0	2 bytes	4 bytes	8 bytes	Depends on OS	What is the size of an int variable in Java?
3	0	Scanner	0	Scanner	Cin	InputStreamReader	BufferedWriter	Which of the following is used to take input in Java?
4	0	Platform Dependent	1	Object-Oriented	Platform Dependent	Secure	Robust	Which of the following is **not** a feature of Java?
5	0	102030	1	102030	30	3030	3030.0	What will be the output of: System.out.println("10" + "20" + "30");
6	2	@SpringBootApplication	0	@SpringBoot	@SpringApplication	@SpringBootApplication	@EnableAutoConfiguration	What annotation is used to mark the main class of a Spring Boot application?
7	2	application.properties	1	settings.gradle	application.properties	pom.xml	log4j.properties	Which file is typically used to define Spring Boot configuration values?

@DELETEMAPPING

http://localhost:8080/api/v1/question/deleteQuestion/7

| DELETE | ⌄ | http://localhost:8080/api/v1/question/deleteQuestion/7 | **Send** ⌄ |

SELECT * FROM quiz_db.question;

id	category	correct_answer	difficulty	option1	option2	option3	option4	question_title
1	0	main	0	class	public	void	main	Which of the following is not a Java keyword?
2	0	4 bytes	0	2 bytes	4 bytes	8 bytes	Depends on OS	What is the size of an int variable in Java?
3	0	Scanner	0	Scanner	Cin	InputStreamReader	BufferedWriter	Which of the following is used to take input in Java?
4	0	Platform Dependent	1	Object-Oriented	Platform Dependent	Secure	Robust	Which of the following is **not** a feature of Java?
5	0	102030	1	102030	30	3030	3030.0	What will be the output of: System.out.println("10" + "20" + "30");
6	2	@SpringBootApplication	0	@SpringBoot	@SpringApplication	@SpringBootApplication	@EnableAutoConfiguration	What annotation is used to mark the main class of a Spring Boot application?
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

@GETMAPPING

http://localhost:8080/api/v1/question/getAllQuestions

| GET | ⌄ | http://localhost:8080/api/v1/question/getAllQuestions | **Send** ⌄ |

Params   Authorization   Headers (7)   Body   Scripts   Tests   Settings

Body   Cookies   Headers (5)   Test Results   200 OK · 24 ms · 1.6 KB

{} JSON ⌄   ▷ Preview   Visualize ⌄

```json
[
    {
        "id": 1,
        "questionTitle": "Which of the following is not a Java keyword?",
        "option1": "class",
        "option2": "public",
        "option3": "void",
        "option4": "main",
        "correctAnswer": "main",
        "difficulty": "EASY",
        "category": "JAVA"
    },
    {
        "id": 2,
        "questionTitle": "What is the size of an int variable in Java?",
        "option1": "2 bytes",
        "option2": "4 bytes",
        "option3": "8 bytes",
        "option4": "Depends on OS",
        "correctAnswer": "4 bytes",
        "difficulty": "EASY",
        "category": "JAVA"
    },
```

GET   http://localhost:8080/api/v1/question/getAllQuestions   Send

Params   Authorization   Headers (7)   Body   Scripts   Tests   Settings

Body   Cookies   Headers (5)   Test Results   200 OK · 24 ms · 1.6 KB

{} JSON   Preview   Visualize

```json
 23        },
 24        {
 25            "id": 3,
 26            "questionTitle": "Which of the following is used to take input in Java?",
 27            "option1": "Scanner",
 28            "option2": "Cin",
 29            "option3": "InputStreamReader",
 30            "option4": "BufferedWriter",
 31            "correctAnswer": "Scanner",
 32            "difficulty": "EASY",
 33            "category": "JAVA"
 34        },
 35        {
 36            "id": 4,
 37            "questionTitle": "Which of the following is **not** a feature of Java?",
 38            "option1": "Object-Oriented",
 39            "option2": "Platform Dependent",
 40            "option3": "Secure",
 41            "option4": "Robust",
 42            "correctAnswer": "Platform Dependent",
 43            "difficulty": "MEDIUM",
 44            "category": "JAVA"
 45        },
```

GET   http://localhost:8080/api/v1/question/getAllQuestions   Send

Params   Authorization   Headers (7)   Body   Scripts   Tests   Settings

Body   Cookies   Headers (5)   Test Results   200 OK · 24 ms · 1.6 KB

{} JSON   Preview   Visualize

```json
 42            "correctAnswer": "Platform Dependent",
 43            "difficulty": "MEDIUM",
 44            "category": "JAVA"
 45        },
 46        {
 47            "id": 5,
 48            "questionTitle": "What will be the output of: System.out.println(\"10\" + \"20\" + \"30\");",
 49            "option1": "102030",
 50            "option2": "30",
 51            "option3": "3030",
 52            "option4": "3030.0",
 53            "correctAnswer": "102030",
 54            "difficulty": "MEDIUM",
 55            "category": "JAVA"
 56        },
 57        {
 58            "id": 6,
 59            "questionTitle": "What annotation is used to mark the main class of a Spring Boot application?",
 60            "option1": "@SpringBoot",
 61            "option2": "@SpringApplication",
 62            "option3": "@SpringBootApplication",
 63            "option4": "@EnableAutoConfiguration",
 64            "correctAnswer": "@SpringBootApplication",
 65            "difficulty": "EASY",
 66            "category": "SPRINGBOOT"
 67        }
 68    ]
```

QUIZ ENDPOINTS

@POSTMAPPING

POST   http://localhost:8080/api/v1/quiz/createQuiz?category=SPRINGBOOT&level=EASY&title=What annotation is used to mark the main class of a Spring Boot application?   Send

Params   Authorization   Headers (8)   Body   Scripts   Tests   Settings

Query Params

Key	Value	Description	
category	SPRINGBOOT		
level	EASY		

```
SELECT * FROM quiz_db.quiz;
```

Result Grid

id	title
1	Which of the following is not a Java keyword?
2	What is the size of an int variable in Java?
3	Which of the following is used to take input in Java?
4	Which of the following is **not** a feature of Java?
5	What will be the output of: System.out.println("10" "20" "30");
6	What annotation is used to mark the main class of a Spring Boot application?
NULL	NULL

@GETMAPPING

http://localhost:8080/api/v1/quiz/getQuizById/1

GET   http://localhost:8080/api/v1/quiz/getQuizById/1   Send

Params Authorization Headers (7) Body Scripts Tests Settings

Body Cookies Headers (5) Test Results   200 OK · 12 ms · 641 B

```
1  [
2    {
3      "id": 3,
4      "questionTitle": "Which of the following is used to take input in Java?",
5      "option1": "Scanner",
6      "option2": "Cin",
7      "option3": "InputStreamReader",
8      "option4": "BufferedWriter"
9    },
10   {
11     "id": 2,
12     "questionTitle": "What is the size of an int variable in Java?",
13     "option1": "2 bytes",
14     "option2": "4 bytes",
15     "option3": "8 bytes",
16     "option4": "Depends on OS"
17   },
18   {
19     "id": 1,
20     "questionTitle": "Which of the following is not a Java keyword?",
21     "option1": "class",
22     "option2": "public",
23     "option3": "void",
24     "option4": "main"
25   }
26 ]
```

@POSTMAPPING

http://localhost:8080/api/v1/quiz/submitQuiz/1

POST   http://localhost:8080/api/v1/quiz/submitQuiz/1   Send

Params Authorization Headers (9) Body Scripts Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1  [
2    { "id": 1, "response": "main" },
3    { "id": 2, "response": "4 bytes" },
4    { "id": 3, "response": "Scanner" }
5  ]
```

Body Cookies Headers (5) Test Results   200 OK · 26 ms · 165 B

```
1  3
```

AOP

```
○ Before Method: addQuestion
Hibernate:
    insert
    into
        question
        (category, correct_answer, difficulty, option1, option2, option3, option4, question_title)
    values
        (?, ?, ?, ?, ?, ?, ?, ?)
☑ After Method: addQuestion | Returned: Question(id=13, questionTitle=Which file is typically used to define Spring Boot configuration values?, opti

        (?, ?, ?, ?, ?, ?, ?, ?)
☑ After Method: addQuestion | Returned: Question(id=12, questionTitle=Which file is typically used to define Spring Boot configuration values?, option1=settings.gradle, option2=application
```

```
on values?, option1=settings.gradle, option2=application.properties, option3=pom.xml, option4=log4j.properties, correctAnswer=application.properties, difficulty=MEDIUM, category=SPRINGBOOT)
```

```
    q1_0.1u-!
2025-08-09T10:41:52.280+05:30 ERROR 7464 --- [Quiz-App-Monorepo] [nio-8080-exec-7] o.a.c.c.C.[.[.[/].[dispatcherServlet]     : Servlet.service() for servlet [dispatch

    : Servlet.service() for servlet [dispatcherServlet] in context with path [] threw exception [Request processing failed: com.wipro.archana.quizappmonorepo.excep.Ques

[Request processing failed: com.wipro.archana.quizappmonorepo.excep.Question_Not_Found: Question with Id is not present: 20] with root cause
```
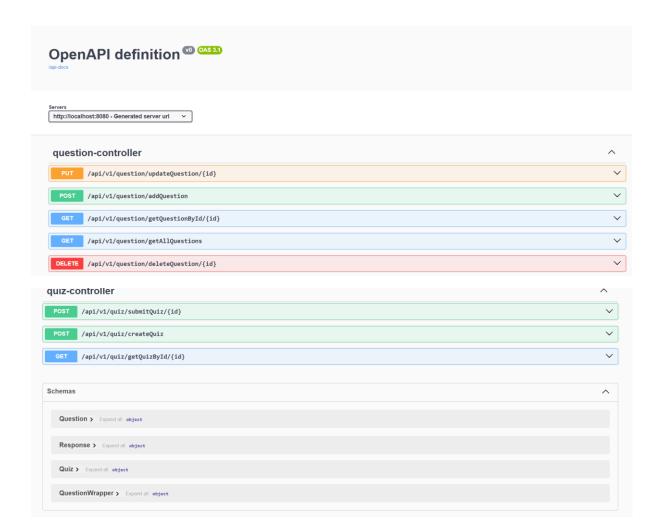
Exception

CustomException

`Question_Not_Found`


```
"message": "Question with Id is not present: 20",
```

Swagger DOCS

OpenAPI definition v0 OAS 3.1

/api-docs

Servers

http://localhost:8080 - Generated server url ▾

question-controller ⌃

| PUT | /api/v1/question/updateQuestion/{id} | ⌄ |

| POST | /api/v1/question/addQuestion | ⌄ |

| GET | /api/v1/question/getQuestionById/{id} | ⌄ |

| GET | /api/v1/question/getAllQuestions | ⌄ |

| DELETE | /api/v1/question/deleteQuestion/{id} | ⌄ |

quiz-controller ⌃

| POST | /api/v1/quiz/submitQuiz/{id} | ⌄ |

| POST | /api/v1/quiz/createQuiz | ⌄ |

| GET | /api/v1/quiz/getQuizById/{id} | ⌄ |

Schemas ⌃

Question ❯ Expand all **object**

Response ❯ Expand all **object**

Quiz ❯ Expand all **object**

QuestionWrapper ❯ Expand all **object**

API DOCS

localhost:8080/api-docs

Pretty-print ☐

{"openapi":"3.1.0","info":{"title":"OpenAPI definition","version":"v0"},"servers":[{"url":"http://localhost:8080","description":"Generated server url"}],"paths":{"/api/v1/question/updateQuestion/{id}":{"put":{"tags":["question-controller"],"operationId":"updateQuestionById","parameters":[{"name":"id","in":"path","required":true,"schema":{"type":"integer","format":"int64"}}],"requestBody":{"content":{"application/json":{"schema":{"$ref":"#/components/schemas/Question"}}},"required":true},"responses":{"200":{"description":"OK","content":{"*/*":{"schema":{"$ref":"#/components/schemas/Question"}}}}}}},"/api/v1/quiz/submitQuiz/{id}":{"post":{"tags":["quiz-controller"],"operationId":"submitQuiz","parameters":[{"name":"id","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"requestBody":{"content":{"application/json":{"schema":{"type":"array","items":{"$ref":"#/components/schemas/Response"}}}},"required":true},"responses":{"200":{"description":"OK","content":{"*/*":{"schema":{"type":"integer","format":"int32"}}}}}}},"/api/v1/quiz/createQuiz":{"post":{"tags":["quiz-controller"],"operationId":"createQuiz","parameters":[{"name":"category","in":"query","required":true,"schema":{"type":"string"}},{"name":"level","in":"query","required":true,"schema":{"type":"string"}},{"name":"title","in":"query","required":true,"schema":{"type":"string"}}],"responses":{"200":{"description":"OK","content":{"*/*":{"schema":{"$ref":"#/components/schemas/Quiz"}}}}}}},"/api/v1/question/addQuestion":{"post":{"tags":["question-controller"],"operationId":"addQuestion","requestBody":{"content":{"application/json":{"schema":{"$ref":"#/components/schemas/Question"}}},"required":true},"responses":{"200":{"description":"OK","content":{"*/*":{"schema":{"$ref":"#/components/schemas/Question"}}}}}}},"/api/v1/quiz/getQuizById/{id}":{"get":{"tags":["quiz-controller"],"operationId":"getQuizQuestions","parameters":[{"name":"id","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"responses":{"200":{"description":"OK","content":{"*/*":{"schema":{"$ref":"#/components/schemas/QuestionWrapper"}}}}}}},"/api/v1/question/getQuestionById/{id}":{"get":{"tags":["question-controller"],"operationId":"getQuestionById","parameters":[{"name":"id","in":"path","required":true,"schema":{"type":"integer","format":"int64"}}],"responses":{"200":{"description":"OK","content":{"*/*":{"schema":{"$ref":"#/components/schemas/Question"}}}}}}},"/api/v1/question/getAllQuestions":{"get":{"tags":["question-controller"],"operationId":"getAllQuestions","responses":{"200":{"description":"OK","content":{"*/*":{"schema":{"type":"array","items":{"$ref":"#/components/schemas/Question"}}}}}}}},"/api/v1/question/deleteQuestion/{id}":{"delete":{"tags":["question-controller"],"operationId":"deleteQuestion","parameters":[{"name":"id","in":"path","required":true,"schema":{"type":"integer","format":"int64"}}],"responses":{"200":{"description":"OK","content":{"*/*":{"schema":{"type":"integer","format":"int32"}}}}}}}},"components":{"schemas":{"Question":{"type":"object","properties":{"id":{"type":"integer","format":"int64"},"questionTitle":{"type":"string"},"option1":{"type":"string"},"option2":{"type":"string"},"option3":{"type":"string"},"option4":{"type":"string"},"correctAnswer":{"type":"string"},"difficulty":{"type":"string","enum":["EASY","MEDIUM","HARD"]},"category":{"type":"string","enum":["JAVA","SPRING","SPRINGBOOT"]}}},"Response":{"type":"object","properties":{"id":{"type":"integer","format":"int32"},"response":{"type":"string"}}},"Quiz":{"type":"object","properties":{"id":{"type":"integer","format":"int32"},"title":{"type":"string"},"questions":{"type":"array","items":{"$ref":"#/components/schemas/Question"}}}},"QuestionWrapper":{"type":"object","properties":{"id":{"type":"integer","format":"int64"},"questionTitle":{"type":"string"},"option1":{"type":"string"},"option2":{"type":"string"},"option3":{"type":"string"},"option4":{"type":"string"}}}}}}