

USER GUIDE:

QUIZ Project:

Introduction:

Quiz is a console application that has question related to many technologies like JAVA, PYTHON and Networking. The quiz consist of MCQ questions and Open questions. There are two logins, one is admin login and the other one is student login. Student will be provided with the username and password to take the quiz. The scores of the student will be displayed to them at the end of the quiz.

ADMIN LOGIN:

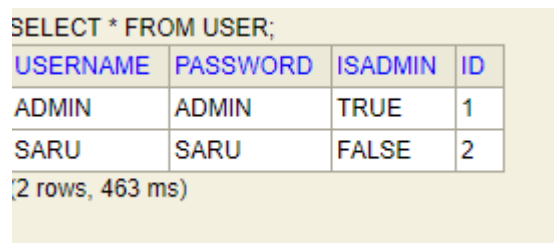
The functional requirements includes,

1. Create, update and delete operation for quiz topics.
2. Create, update and delete operations for questions.
3. He/she can also view who all have taken the quiz on which topics and the scores.

Step1:

Admin can log into the application using admin's login and password.

The login and password of the admin are stored in user table. The user table has got for 4 fields, USERNAME 2.PASSWORD 3.ISADMIN 4.ID(which is an auto incremented)



The screenshot shows a SQL query 'SELECT * FROM USER;' and its result. The result is a table with four columns: USERNAME, PASSWORD, ISADMIN, and ID. There are two rows of data: one for 'ADMIN' with password 'ADMIN' and ISADMIN 'TRUE', and another for 'SARU' with password 'SARU' and ISADMIN 'FALSE'. The ID values are 1 and 2 respectively. At the bottom, it says '(2 rows, 463 ms)'.

USERNAME	PASSWORD	ISADMIN	ID
ADMIN	ADMIN	TRUE	1
SARU	SARU	FALSE	2

(2 rows, 463 ms)

In the below scenario, I have given admin user name as ADMIN and password as ADMIN.
For Instance,

Please enter your login: ADMIN

Please enter your password: ADMIN

If the username and the password are incorrect, it will throw a validation saying
"You're not authenticated!! Please enter valid credentials!!

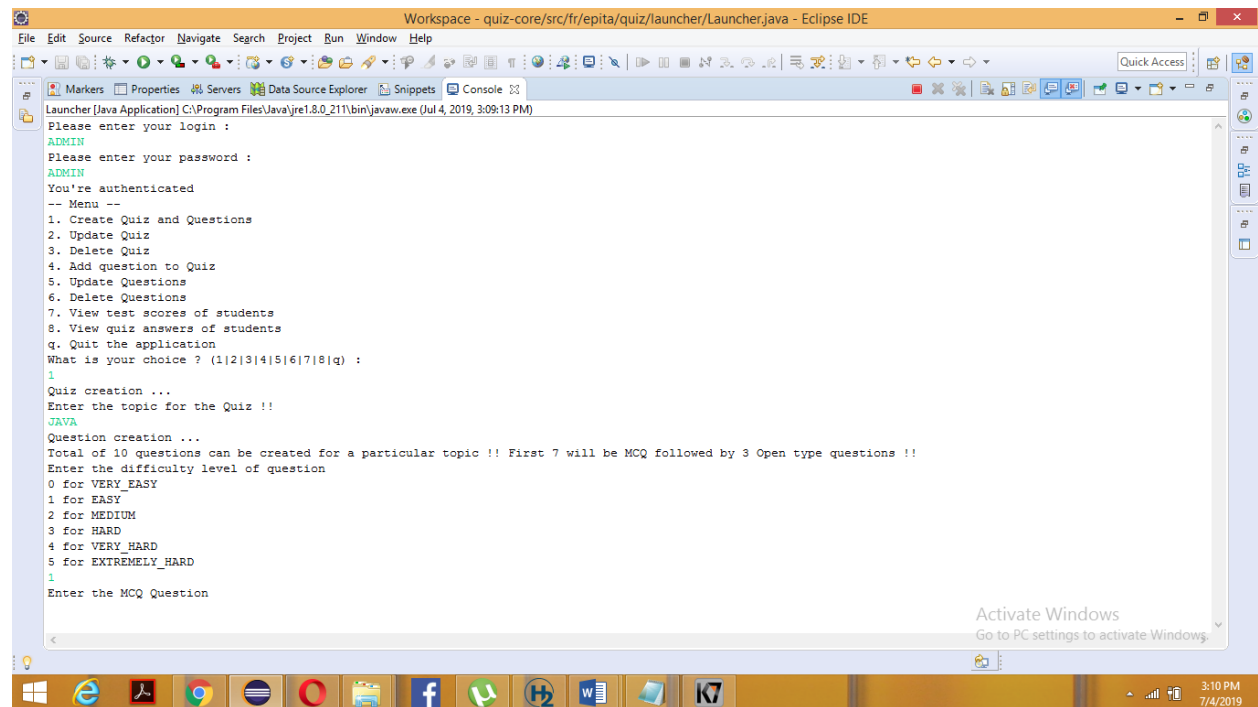
Please enter your login:

If the username and the password are entered correctly, it will provided the following menu:
You're authenticated

--Menu--

1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add Questions to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
- q. Quit the application

What is your choice ? (1|2|3|4|5|6|7|8|q) :



```
Workspace - quiz-core/src/tr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:09:13 PM)
Please enter your login :
ADMIN
Please enter your password :
ADMIN
You're authenticated
-- Menu --
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
q. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|q) :
1
Quiz creation ...
Enter the topic for the Quiz !!
JAVA
Question creation ...
Total of 10 questions can be created for a particular topic !! First 7 will be MCQ followed by 3 Open type questions !!
Enter the difficulty level of question
0 for VERY_EASY
1 for EASY
2 for MEDIUM
3 for HARD
4 for VERY_HARD
5 for EXTREMELY_HARD
1
Enter the MCQ Question
```

Step2:

CREATE QUIZ:

Admin enters the choice 1, it allows the admin to create quiz and the questions.

Quiz Creation ...

Enter the topic for the Quiz!!

Here admin can enter the any one of the quiz topics like “JAVA”, “DATABASE “and “NETWORKING”.

For instance,

Quiz Creation ...

Enter the topic for the Quiz!!

JAVA

The quiz is now created.

Admin can add minimum of 10 questions for a particular topics in the mixture of MCQ and open questions when creating a Quiz. First 7 will be MCQ question and remaining 3 will be open questions where there won't be any multiple choice and the student has to type their answers. Admin can add the questions as per the difficulty level. Admin can also add more questions into the quiz with create questions option.

For Instance,

Enter the difficulty level of question.

For VERY_EASY

For EASY

For MEDIUM

For HARD

For VERY_HARD

For EXTREMELY_HARD

Step3:

Admin enters the choice 1, it allows the admin to enter the MCQ Question.

For Instance,

Enter the MCQ Question

What is the range of byte data type in Java?

It will ask the admin to enter the respective answer to the question. Admin has to enter the correct answer to the question plus 2 more options as other options. So there would be 3 options totally (1 correct and 2 wrong answers).

The correct answer to this question is -128 to 127. Admin will enter "-128 to 127" as the correct answer when it asks for the respective answer.

Answers entered successfully!! Please enter the 3 choices for the respective question!! One choice should be earlier given answer:

Enter Choice 1:

-128 to 127

Enter choice 2:
-32768 to 32767
Enter choice 3:
None of the above

It allows the user to enter the remaining questions in the same order.

```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:09:13 PM)
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
9. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|9) :
1
Quiz creation ...
Enter the topic for the Quiz !!
JAVA
Question creation ...
Total of 10 questions can be created for a particular topic !! First 7 will be MCQ followed by 3 Open type questions !!
Enter the difficulty level of question
0 for VERY_EASY
1 for EASY
2 for MEDIUM
3 for HARD
4 for VERY_HARD
5 for EXTREMELY_HARD
1
Enter the MCQ Question
What is the range of byte data type in Java?
Question entered successfully !! Please enter the answer for the respective question
-128 to 127
Answer entered successfully !! Please enter the 3 choices for the respective question!! One choice should be the earlier given answer
Enter Choice 1
-128 to 127
Enter Choice 2
-32768 to 32767
Enter Choice 3
None of the above
Enter the MCQ Question
<

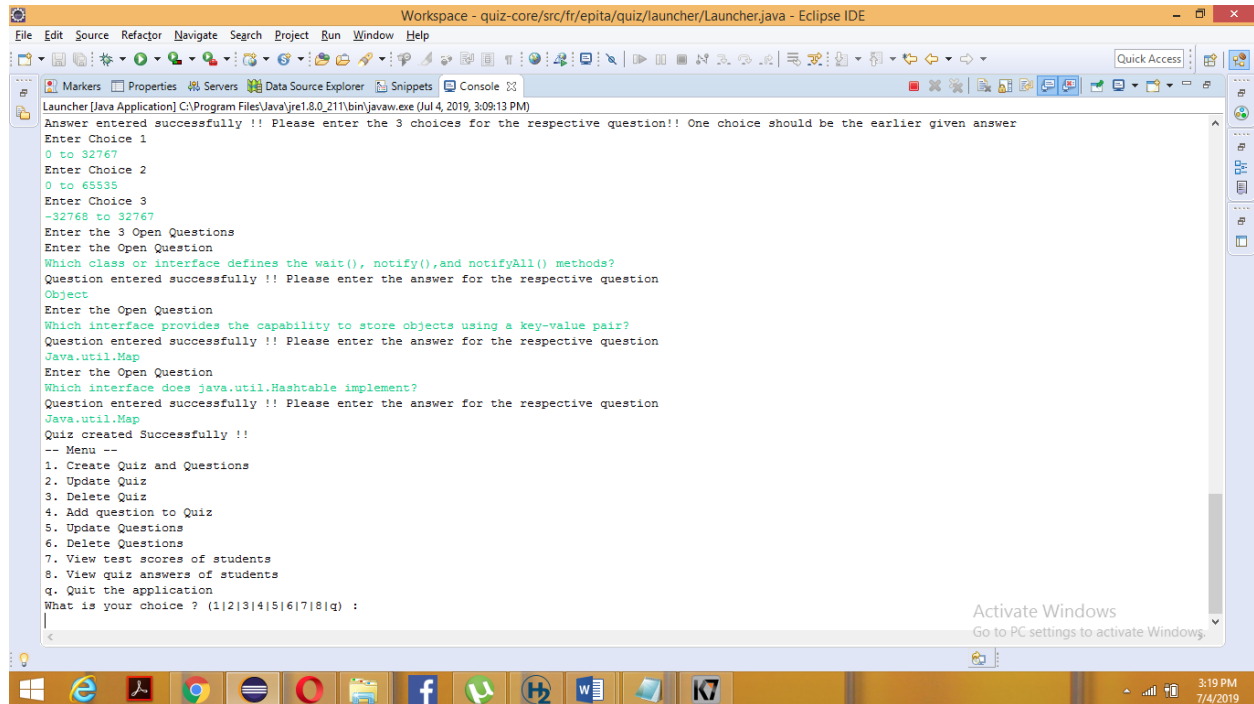
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:09:13 PM)
1
Quiz creation ...
Enter the topic for the Quiz !!
JAVA
Question creation ...
Total of 10 questions can be created for a particular topic !! First 7 will be MCQ followed by 3 Open type questions !!
Enter the difficulty level of question
0 for VERY_EASY
1 for EASY
2 for MEDIUM
3 for HARD
4 for VERY_HARD
5 for EXTREMELY_HARD
1
Enter the MCQ Question
What is the range of byte data type in Java?
Question entered successfully !! Please enter the answer for the respective question
-128 to 127
Answer entered successfully !! Please enter the 3 choices for the respective question!! One choice should be the earlier given answer
Enter Choice 1
-128 to 127
Enter Choice 2
-32768 to 32767
Enter Choice 3
None of the above
Enter the MCQ Question
An expression involving byte, int, and literal numbers is promoted to which of these?
Question entered successfully !! Please enter the answer for the respective question
int
Answer entered successfully !! Please enter the 3 choices for the respective question!! One choice should be the earlier given answer
Enter Choice 1
int
Enter Choice 2
<
Activate Windows
Go to PC settings to activate Windows.
```

After completion of 7 MCQ questions Admin can add remaining 3 open questions.

Enter the open questions.

Which interface does java.util.Hashtable implement?

It will ask the admin to enter the respective answer to the question. Admin has to enter answer for the respective questions (Not considered for validation)



```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:09:13 PM)
Answer entered successfully !! Please enter the 3 choices for the respective question!! One choice should be the earlier given answer
Enter Choice 1
0 to 32767
Enter Choice 2
0 to 65535
Enter Choice 3
-32768 to 32767
Enter the 3 Open Questions
Enter the Open Question
Which class or interface defines the wait(), notify(), and notifyAll() methods?
Question entered successfully !! Please enter the answer for the respective question
Object
Enter the Open Question
Which interface provides the capability to store objects using a key-value pair?
Question entered successfully !! Please enter the answer for the respective question
Java.util.Map
Enter the Open Question
Which interface does java.util.Hashtable implement?
Question entered successfully !! Please enter the answer for the respective question
Java.util.Map
Quiz created Successfully !!
-- Menu --
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
9. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|9) :
```

UPDATE QUIZ:

Step 1:

Admin enters option 2, it provides the list of quiz topics which has created earlier and let the admin to update the topics.

Here in the below scenario, Admin wants to update the PYTHON Quiz to PYTHON LATEST.

For Instance,

Update Quiz...

JAVA

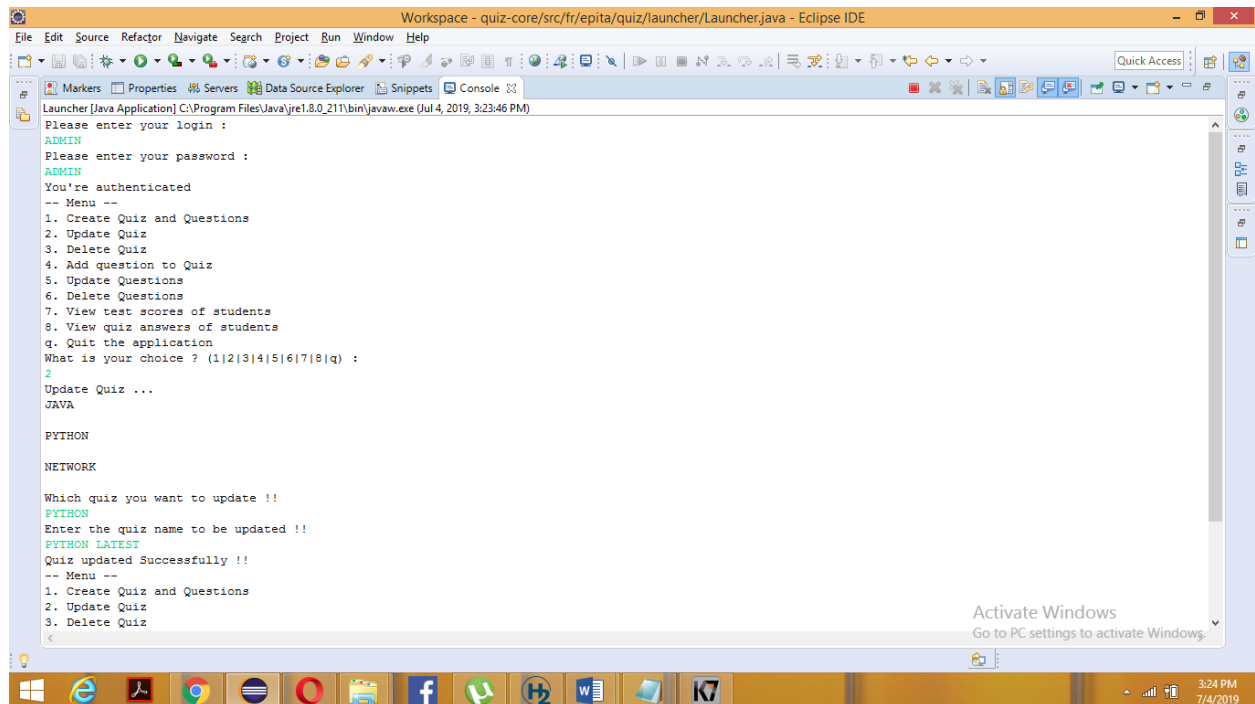
PYTHON

NETWORK

Which quiz you want to update!!

PYTHON

Enter the quiz name to be updated!!
PYTHON LATEST
Quiz updated successfully!!



```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:23:46 PM)
Please enter your login :
ADMIN
Please enter your password :
ADMIN
You're authenticated
-- Menu --
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
9. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|9) :
2
Update Quiz ...
JAVA
PYTHON
NETWORK
Which quiz you want to update !!
PYTHON
Enter the quiz name to be updated !!
PYTHON LATEST
Quiz updated Successfully !!
-- Menu --
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
9. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|9) :
```

DELETE QUIZ:

Step 1:

Admin enters option 3, it provides the list of quiz topics which has created earlier and let the admin to delete the topics.

Here in the below scenario, Admin wants to delete NETWORK Quiz.

For Instance,

Delete Quiz...

JAVA

NETWORK

PYTHON LATEST

Which quiz you want to delete!!

NETWORK

The quiz and the related questions are deleted successfully!!

```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:23:46 PM)
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
q. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|q) :
3
Delete Quiz ...
JAVA
NETWORK
PYTHON LATEST
Which quiz you want to delete !!
NETWORK
The quiz and the related questions were deleted successfully !!
-- Menu --
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
q. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|q) :
```

ADD QUESTIONS TO QUIZ:

Step 1:

Admin enters option 4, it provides the list of quiz topics which has created earlier and let the admin to add questions to the chosen topic.

Here in the below scenario, Admin wants to add Open questions to JAVA Quiz with difficulty level FOR VERY EASY (0).

For Instance,

JAVA

PYTHON LATEST

Enter the topic in which you want to add question

JAVA

Enter the difficulty level of question.

- 0 For VERY_EASY
- 1 For EASY
- 2 For MEDIUM
- 3 For HARD
- 4 For VERY_HARD
- 5 For EXTREMELY_HARD

0

Enter 1 to add MCQ Question and 2 to add Open questions and q to quit adding questions

Enter your choice 1|2|q

2

Enter the difficulty level of question.

- 0 For VERY_EASY
- 1 For EASY
- 2 For MEDIUM
- 3 For HARD
- 4 For VERY_HARD
- 5 For EXTREMELY_HARD

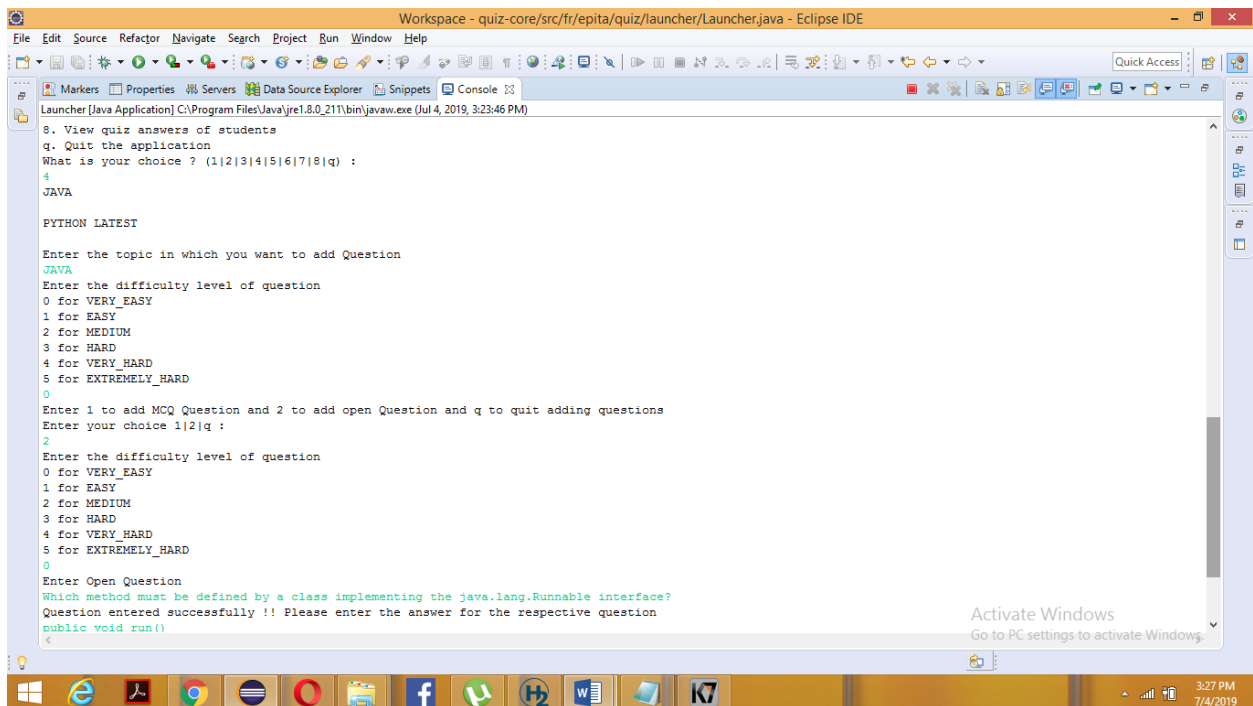
0

Enter open Question

What is JDK?

Question entered successfully!! Please enter the answer for the respective question.

Java Development Kit



```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:23:46 PM)
8. View quiz answers of students
q. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|q) :
4
JAVA
PYTHON LATEST
Enter the topic in which you want to add Question
JAVA
Enter the difficulty level of question
0 for VERY_EASY
1 for EASY
2 for MEDIUM
3 for HARD
4 for VERY_HARD
5 for EXTREMELY_HARD
0
Enter 1 to add MCQ Question and 2 to add open Question and q to quit adding questions
Enter your choice 1|2|q :
2
Enter the difficulty level of question
0 for VERY_EASY
1 for EASY
2 for MEDIUM
3 for HARD
4 for VERY_HARD
5 for EXTREMELY_HARD
0
Enter Open Question
Which method must be defined by a class implementing the java.lang Runnable interface?
Question entered successfully !! Please enter the answer for the respective question
public void run()
<
```


UPDATE QUESTIONS TO THE QUIZ:

Admin enters option 5, it provides the list of quiz topics which has created earlier and let the admin to update questions from the chosen topic.

Step1:

For Instance,

JAVA

PYTHON LATEST

Enter the quiz name from which you want to update questions!!

JAVA

Enter the difficulty level of question.

- 0 For VERY_EASY
- 1 For EASY
- 2 For MEDIUM
- 3 For HARD
- 4 For VERY_HARD
- 5 For EXTREMELY_HARD

0

Here it list out the entire questions from the topic JAVA with the difficulty level 0. Since there is only one question it list out that particular questions here.

For Instance,

Which method must be defined by a class implementing the java.lang.Runnable interface?

Step3:

For Instance,

Enter the questions which you want to update

Which method must be defined by a class implementing the java.lang.Runnable interface?

It then asks the admin to,

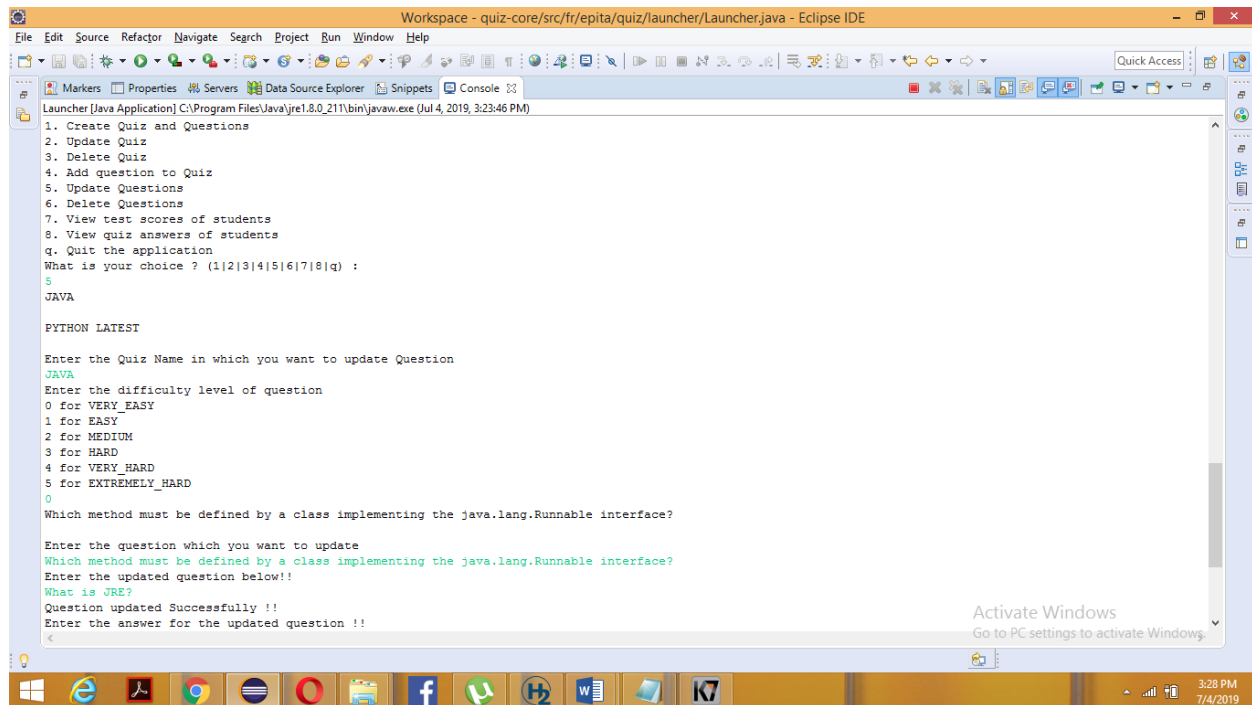
Enter the updated questions below!!

What is JRE?

It then asks the admin to,

Enter the answer for the updated question!!

Java Runtime Environment



```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:23:46 PM)
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
q. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|q) :
5
JAVA
PYTHON LATEST
Enter the Quiz Name in which you want to update Question
JAVA
Enter the difficulty level of question
0 for VERY_EASY
1 for EASY
2 for MEDIUM
3 for HARD
4 for VERY_HARD
5 for EXTREMELY_HARD
0
Which method must be defined by a class implementing the java.lang.Runnable interface?
Enter the question which you want to update
Which method must be defined by a class implementing the java.lang.Runnable interface?
Enter the updated question below!!
What is JRE?
Question updated Successfully !!
Enter the answer for the updated question !!
<
```

DELETE QUESTIONS:

Admin enters option 6, it provides the list of quiz topics which has created earlier and let the admin to delete questions from the chosen topic.

Step1:

Here in the below scenario, Admin wants to delete Open questions from JAVA Quiz with difficulty level FOR VERY_EASY (0).

For Instance,

JAVA

PYTHONLATEST

Enter the quiz name from which you want to delete questions!!

JAVA

Enter the difficulty level of question.

- 0 For VERY_EASY
- 1 For EASY
- 2 For MEDIUM
- 3 For HARD
- 4 For VERY_HARD
- 5 For EXTREMELY_HARD

0

What is JRE?

Here it list out the entire questions from the topic JAVA. Since there is only one question with this difficulty it is displayed here.

Step2:

It then asks the admin to enter the question, he wants to delete:

Admin has to enter any of the questions from the list of questions provided. Here in the below scenario, Admin wants to delete the question “What is JRE? “

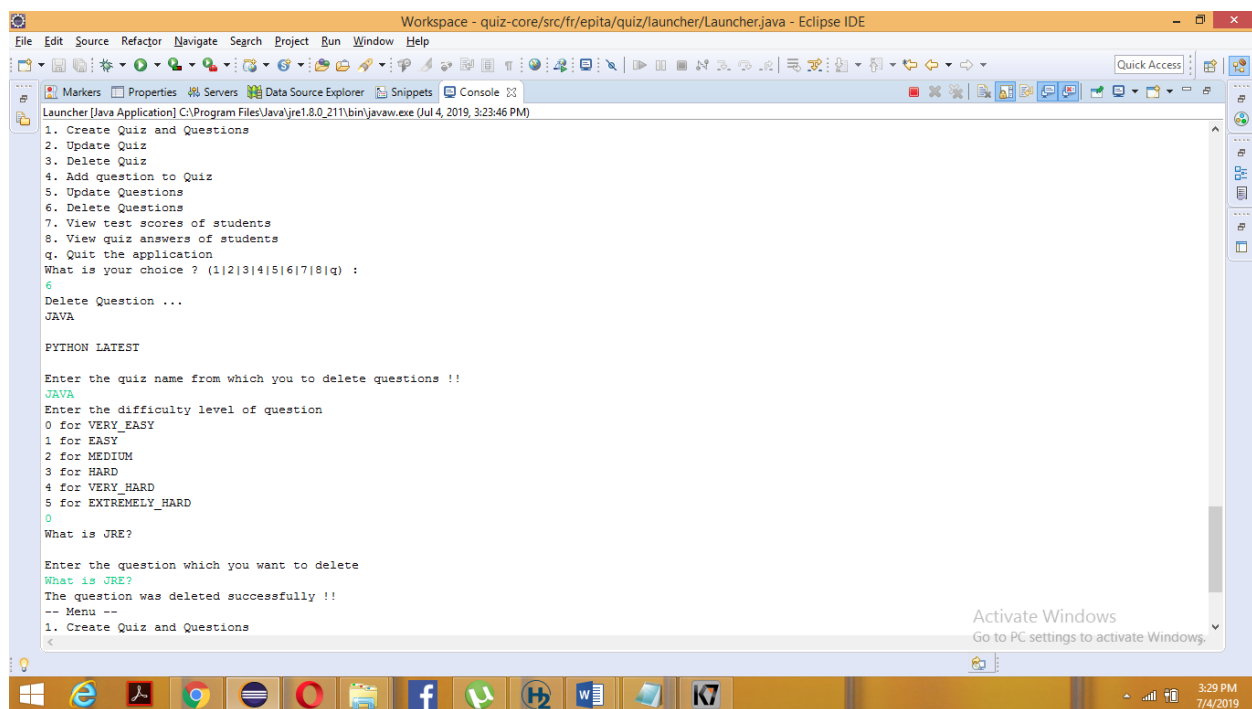
For Instance,

Enter the questions which you want to delete.

Which is JRE?

It then says,

The question was deleted successfully!!!



```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:23:46 PM)
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
q. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|q) :
6
Delete Question ...
JAVA
PYTHON LATEST
Enter the quiz name from which you to delete questions !!
JAVA
Enter the difficulty level of question
0 for VERY_EASY
1 for EASY
2 for MEDIUM
3 for HARD
4 for VERY_HARD
5 for EXTREMELY_HARD
0
What is JRE?
Enter the question which you want to delete
What is JRE?
The question was deleted successfully !!
-- Menu --
1. Create Quiz and Questions
<
```

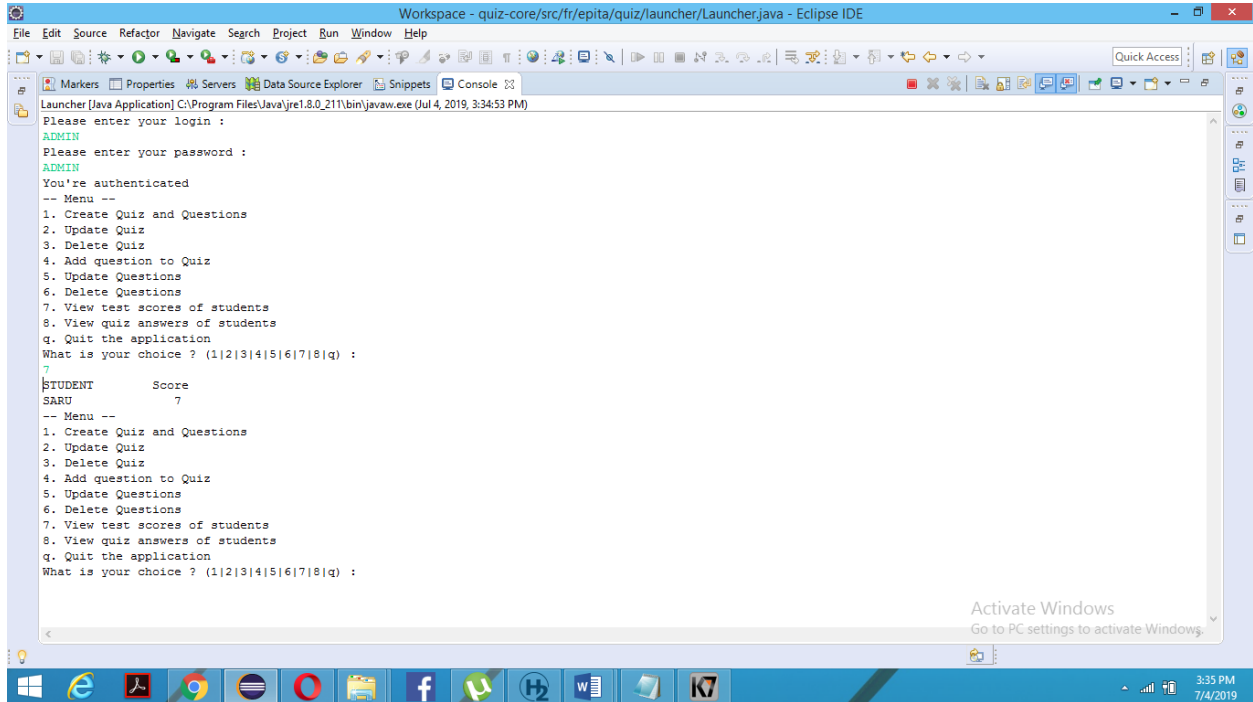
VIEW TEST SCORES OF STUDENTS:

Admin enters option 7, it provides the list of students who have taken the quiz and scores.

Here in the below scenario, Student A have taken the quiz and he has scored 7

For Instance,

STUDENT	Score
SARU	6



```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:34:53 PM)
Please enter your login :
ADMIN
Please enter your password :
ADMIN
You're authenticated
-- Menu --
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
q. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|q) :
7
STUDENT      Score
SARU         7
-- Menu --
1. Create Quiz and Questions
2. Update Quiz
3. Delete Quiz
4. Add question to Quiz
5. Update Questions
6. Delete Questions
7. View test scores of students
8. View quiz answers of students
q. Quit the application
What is your choice ? (1|2|3|4|5|6|7|8|q) :
```

VIEW QUIZ ANSWERS OF STUDENTS:

Admin enters option 8, it provides the names of the students who all have taken the quiz (quiz title, questions and answers).

Here in the below scenario, the student A have taken quiz.

For Example,

- | | | |
|---|--|----------------------|
| A | What data type value is returned by all transcendental math functions? | double |
| A | What is JDK? | Java Development Kit |

1. Student can take quiz as per the chosen topics and the difficulty level.

2. The scores will be displayed to the student at the end of the quiz.

Step1:

A person is taking a quiz with the provided username and password:

Please enter your login: SARU

Please enter your password: SARU

You're authenticated.

--Menu--

1. Select topics to take quiz

2. Export Quiz

q. Quit the application

What is your choice? (1|2|q)

Student enter his choice as "1"

Step2:

Student can take the quiz in the list of topics provided with the chosen difficulty level.

Here in the below scenario, Student wants to take quiz from topic "JAVA" with the difficulty level 1(I.e. For EASY)

At the end of the test, Score will be displayed to him.

For Instance,

-----Take Quiz-----

JAVA

PYTHONLATEST

Enter the topic from the list!!

JAVA

Enter the difficulty level of question.

- 0 For VERY_EASY
- 1 For EASY
- 2 For MEDIUM
- 3 For HARD
- 4 For VERY_HARD
- 5 For EXTREMELY_HARD

1

What is the range of byte data type in Java?

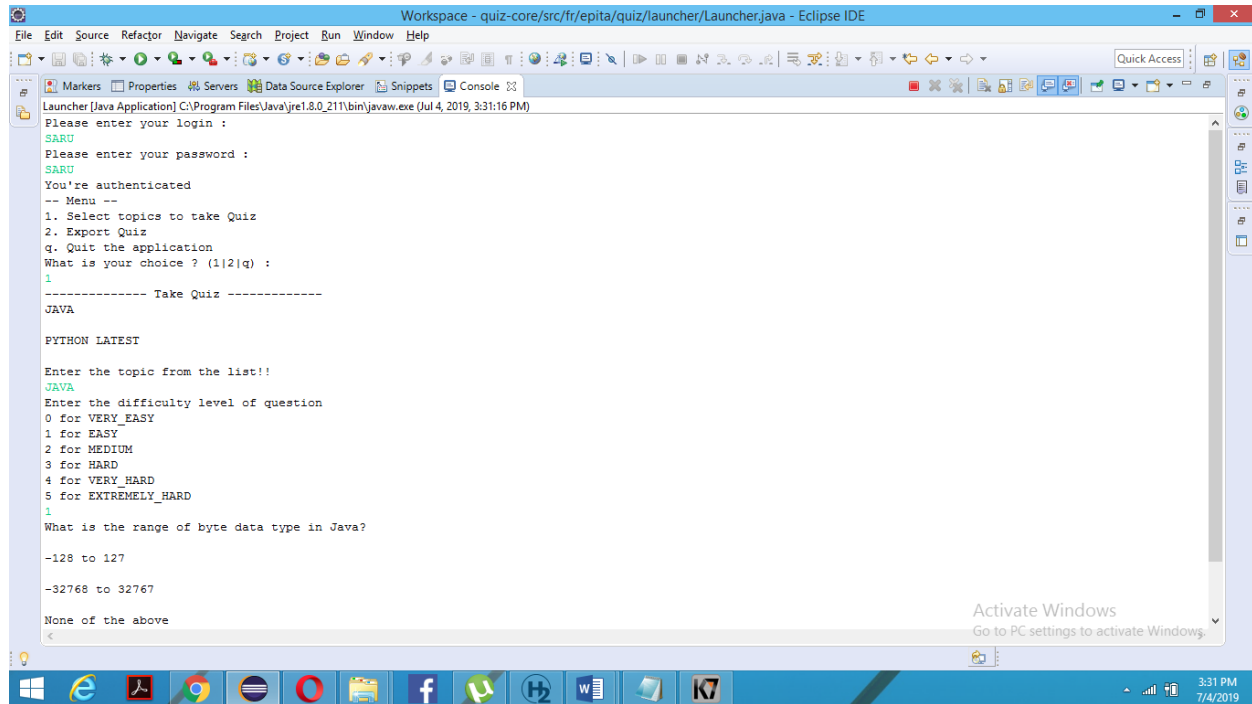
-128 to 127

-32768 to 32767

None of the above

Enter Answer:

-128 to 127



```
Workspace - quiz-core/src/ir/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:31:16 PM)
Please enter your login :
SARU
Please enter your password :
SARU
You're authenticated
-- Menu --
1. Select topics to take Quiz
2. Export Quiz
q. Quit the application
What is your choice ? (1|2|q) :
1
----- Take Quiz -----
JAVA
PYTHON LATEST
Enter the topic from the list!!
JAVA
Enter the difficulty level of question
0 for VERY_EASY
1 for EASY
2 for MEDIUM
3 for HARD
4 for VERY_HARD
5 for EXTREMELY_HARD
1
What is the range of byte data type in Java?
-128 to 127
-32768 to 32767
None of the above
Activate Windows
Go to PC settings to activate Windows.
```

SCORE:

Student has to take the complete quiz, only after that the scores will be displayed to him. Then he/she can select choice 2(This will export the quiz to a plain text format)

Your score is 1

--Menu--

1. Select topics to take quiz

2. Export Quiz

q. Quit the application

What is your choice? (1|2|q)

Student enter his choice as "2"

```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:31:16 PM)
What is the numerical range of char?
0 to 32767
0 to 65535
-32768 to 32767
Enter answer:
0 to 65535
Which class or interface defines the wait(), notify(), and notifyAll() methods?
Enter answer:
Java.util
Which interface provides the capability to store objects using a key-value pair?
Enter answer:
Java.util
Which interface does java.util.Hashtable implement?
Enter answer:
Java.util
Your score is 7
-- Menu --
1. Select topics to take Quiz
2. Export Quiz
q. Quit the application
What is your choice ? (1|2|q) :
```

EXPORT:

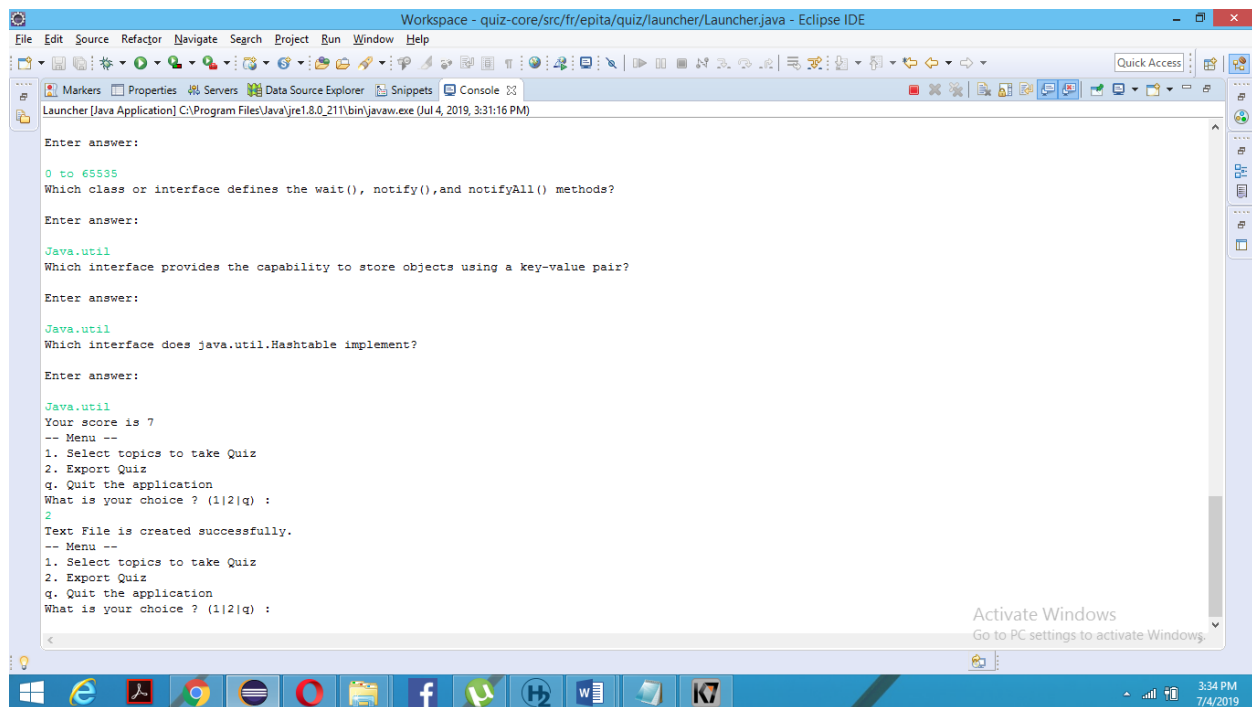
Step3:

The quiz is exported to a text file. The questions, answers and the scores of the student are displayed in the file.

For Instance,
Data.txt

Question:
What is the range of byte data type in Java?
answer: -128 to 127

The score is 1



```
Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:31:16 PM)

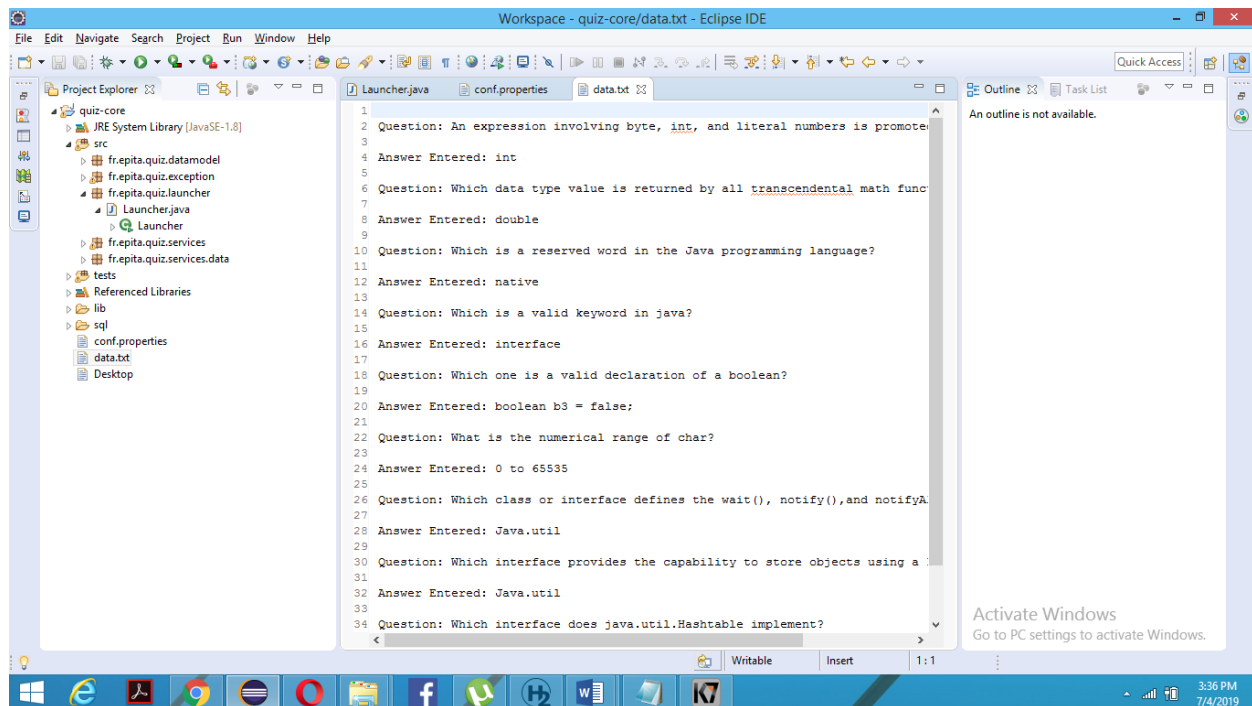
Enter answer:
0 to 65535
Which class or interface defines the wait(), notify(), and notifyAll() methods?

Enter answer:
Java.util
Which interface provides the capability to store objects using a key-value pair?

Enter answer:
Java.util
Which interface does java.util.Hashtable implement?

Enter answer:
Java.util
Your score is 7
-- Menu --
1. Select topics to take Quiz
2. Export Quiz
q. Quit the application
What is your choice ? (1|2|q) :
2
Text File is created successfully.
-- Menu --
1. Select topics to take Quiz
2. Export Quiz
q. Quit the application
What is your choice ? (1|2|q) :
```

A file named data.txt is created.



```
Workspace - quiz-core/data.txt - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Launcher.java conf.properties data.txt
Project Explorer
quiz-core
  JRE System Library [JavaSE-1.8]
  src
    fr.epita.quiz.datamodel
    fr.epita.quiz.exception
    fr.epita.quiz.launcher
      Launcher.java
      Launcher
    fr.epita.quiz.services
    fr.epita.quiz.services.data
  tests
  Referenced Libraries
  lib
  sql
  conf.properties
  data.txt
  Desktop

1
2 Question: An expression involving byte, int, and literal numbers is promoted to
3
4 Answer Entered: int
5
6 Question: Which data type value is returned by all transcendental math functions?
7
8 Answer Entered: double
9
10 Question: Which is a reserved word in the Java programming language?
11
12 Answer Entered: native
13
14 Question: Which is a valid keyword in java?
15
16 Answer Entered: interface
17
18 Question: Which one is a valid declaration of a boolean?
19
20 Answer Entered: boolean b3 = false;
21
22 Question: What is the numerical range of char?
23
24 Answer Entered: 0 to 65535
25
26 Question: Which class or interface defines the wait(), notify(), and notifyAll() methods?
27
28 Answer Entered: Java.util
29
30 Question: Which interface provides the capability to store objects using a key-value pair?
31
32 Answer Entered: Java.util
33
34 Question: Which interface does java.util.Hashtable implement?
```

Step4:

Press “q” to quit the application

Workspace - quiz-core/src/fr/epita/quiz/launcher/Launcher.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Markers Properties Servers Data Source Explorer Snippets Console

<terminated> Launcher [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (Jul 4, 2019, 3:31:16 PM)

```
0 to 65535
Which class or interface defines the wait(), notify(), and notifyAll() methods?

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Which interface provides the capability to store objects using a key-value pair?

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Which interface does java.util.Hashtable implement?

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q. Quit the application
What is your choice ? (1|2|q) :
2
Text File is created successfully.
-- Menu --
1. Select topics to take Quiz
2. Export Quiz
q. Quit the application
What is your choice ? (1|2|q) :
q
Good bye!
```

Activate Windows
Go to PC settings to activate Windows.

3:34 PM
7/4/2019