

QUIZ WIZARD

Quiz Wizard

Quiz Wizard

## Declaration

I hereby declare that the project work entitled Quiz Wizard submitted in partial fulfilment of the award of class 12 under the AISSCE 2023-20214 scheme in Computer Science is a bonafide record of the research carried out by me under the guidance of ***Mrs. Brighty Varghese***, ***Mrs. Jincy Swarup*** and ***Mrs. Soby Susan Babu*** and no part of it has been submitted for any other study.

**Name: Signature:**

## Acknowledgement

*First and foremost, I thank Lord Almighty for giving me this thought…*

*I am happy to express my profound sense of gratitude to Rev. Fr. Scaria Ethirett CMI, Principal, Placid Vidya Vihar for the encouragement he gave me throughout the course especially in the successful completion of this study. I am deeply indebted to my computer teachers Mrs. Brighty Varghese, Mrs. Jincy Swarup and Mrs. Soby Susan Babu for their valuable guidance and support which has been an indispensible factor in the successful completion this work.*

*I wish to express my special thanks to all the teachers and the laboratory staff of Placid Vidya Vihar, Changanassery.*

*I wish to express my sincere thanks to my parents and friends who rendered timely help and extended gracious cooperation throughout my work.*

## Contents

|  |  |  |
| --- | --- | --- |
| ***Sl.no*** | ***Content*** | ***Page no:*** |
| 1 | Introduction | 05 |
| 2 | Python and MySQL Review | 06 |
| 3 | Method Description | 08 |
| 4 | System Specification | 10 |
| 5 | Flow Of Control | 11 |
| 6 | Source Code | 12 |
| 7 | Output | 38 |
| 8 | Conclusion | 49 |
| 9 | Bibliography | 50 |

Introduction

The "Quiz Wizard" is an innovative project designed to serve as a study

companion, making the learning process both enjoyable and engaging. With a

unique set of features, Quiz Wizard aims to create a personalized user experience

by allowing players to create individual profiles and maintain their quiz scores.

This facilitates healthy competition and encourages continuous improvement.

Key Features of Quiz Wizard:

1. Quiz Creation: Users can create their own quizzes, tailored to specific topics or subjects, providing a platform for knowledge-sharing and creativity.

2. Quiz Deletion: In instances where a quiz is no longer needed or relevant, users have the option to delete quizzes from their profile, ensuring a clutter-free experience.

3. High Score Viewing: The platform will maintain a record of high scores achieved by players, offering a sense of accomplishment and fostering healthy competition among users.

4. Play Quiz: Users can actively participate in quizzes created by others, broadening their knowledge and gaining valuable insights.

## Python and MySQL Review

### Python

Python is an open-source, object oriented, high-level programming language. The main features or Advantages of Python are:

 ***Platform Independent:*** It can be run across different platforms like Windows, Linux, Mac OS etc.,

 ***Readability:*** It is easy to read and understand as it has English-like structure.

 ***Object Oriented Language:*** It is an interactive interpreted and Object-oriented language

 ***Ample Availability of Libraries:*** It provides large standard libraries to solve a task

 ***GUI Programming:*** Python supports GUI programming.

 ***Dynamic Typing:*** Variable declaration is done automatically by the interpreter.

 ***Extensible, Extendable and Highly Efficient***

 ***Supports Garbage Collection:*** It has better memory management.

 ***Easily Compatible with other programming languages like C++, Java etc.,***

 ***Saves Time:*** Due to the availability of high-level datatypes and its dynamic typing feature.

### MySQL

MySQL is an open source and freely available Relational Database Management System (RDBMS) that uses Structured Query Language (SQL). It provides excellent features for creating, storing, maintain and accessing data, stored in the form of databases and their respective tables.

Features of MySQL are:

 ***Ease of Use:*** It is very easy to use.

 ***No coding Required:*** It is a non-procedural and a unified language.

 ***Portable:*** It is compatible with other database like Dbase IV, FoxPro etc.

 ***Reliable:*** SQL provides a high level of well-defined commands that provide desired results without any ambiguity.

 ***Large Volume of Data can be stored.***

 ***MySQL is not case sensitive.***

 ***Powerful Language.***

 ***Freedom of data abstraction.***

### Python – MySQL interface

Python – MySQL connectivity enables one to implement the MySQL Client/Server protocol automatically in Python. The interface is

 ***Platform- independent***

 ***Faster and More efficient***

 ***Portable***

 ***Easy to migrate and port database application interface.***

 ***Python support MySQL cursors***

 ***It handles Open and Closed Connections***

## Method Description

Hospital Management System(HMS) is a system for managing the hospital functions and events. It has different modules such as adding new doctors, managing patients and managing appointments. It is a web-based powerful hospital management containing user and admin panel. It is an effective software specifically designed to fulfil various requirements in managing hospitals.

**This Project Contains:**

* ***Admin Panel***: The admin can add new listings of details which can be modified, updated or deleted. Admin can manage patient records and all the features such as search, modify, delete on the records and see some reports.
* ***Search option:*** Admin & Reception user can search patients and doctors using different filters.
* ***Appointments:*** Appointments can be made for a doctor by adding patients in his queue.
* ***Billing:*** Manages the overall expenditure and billing of a patient in the hospital

This section contains seven functions that enable the administrator to manage the database.

* + ***Patient Details***: This function helps to add, view, modify and delete patient’s details linked by the patient ID and mobile no:
  + ***Staff Details***: This function helps to add, view, modify and delete staff details. With Staff ID and staff Name to search them.
  + ***Pharmacy Details:*** This function helps to add, view, modify and delete Medicine details. With med ID and med Name to search them.
  + ***Service Details:*** This function helps to add, view, modify and staff details with Service ID and service Name to search them.
  + ***Appointment Details:*** This function helps to book, view, modify and cancel Appoints without clash with doctors appoint time and date
  + ***Admission Details:*** This function helps to check the admission and discharge details
  + ***Billing / Accounts:*** This function takes all the billings (ie) Pharmacy Billing, Service Billing, Admission Charges

This function helps the administrator to create a new package and scraps off unwanted data from the database. This function helps to enter the details of a new package into an existing set of records. This function helps to search and display the details of a particular package or the entire database. This function helps to an existing record from the database. This function helps to modify a record.

## System Specifications

#### Hardware

* Processor : Intel Core i3
* Memory : 4GB RAM

#### Software

* + Operating System: Windows 10 HOME 64 bit
  + Programming Language: Python 3.7
  + Database : MySQL 5.7

Flow of Control

Main Menu

Create quiz

Delete quiz

Exit

Play quiz

View High score

Check if new player

No

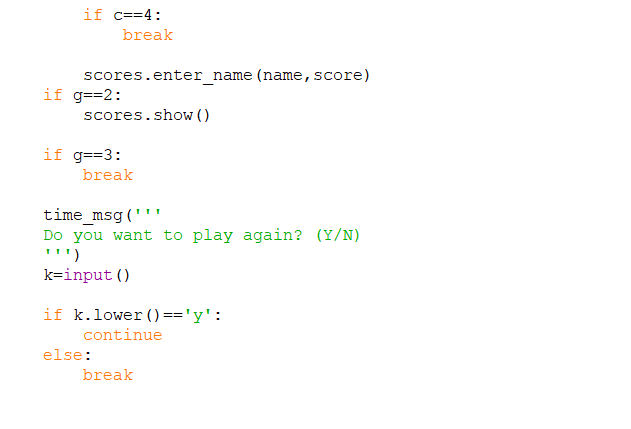
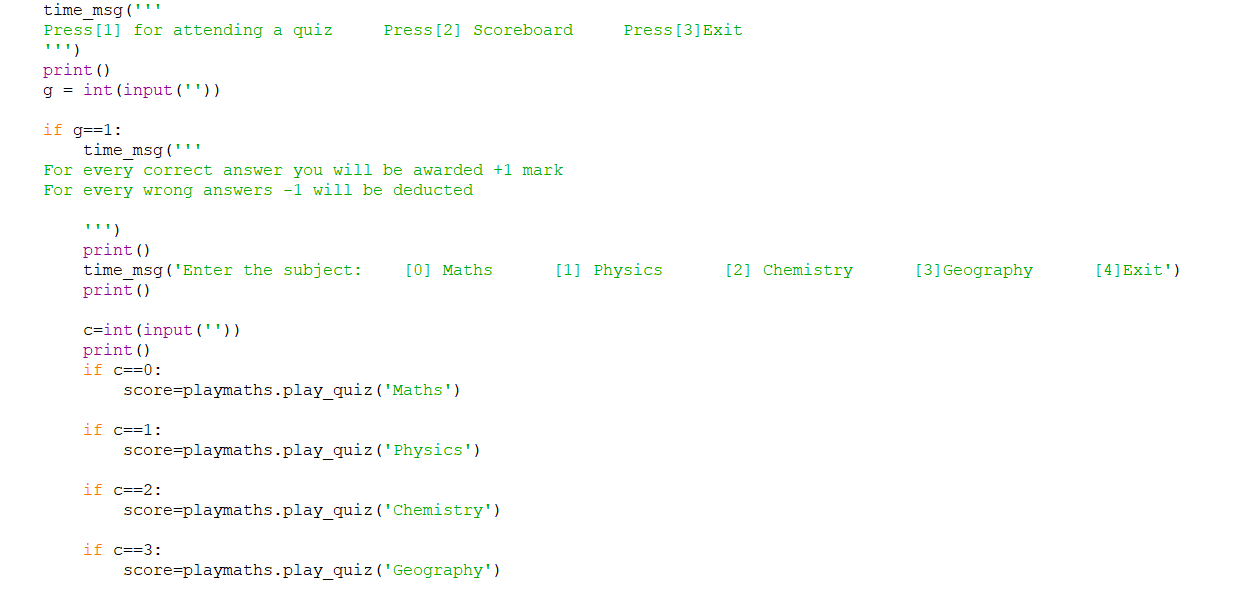
Yes

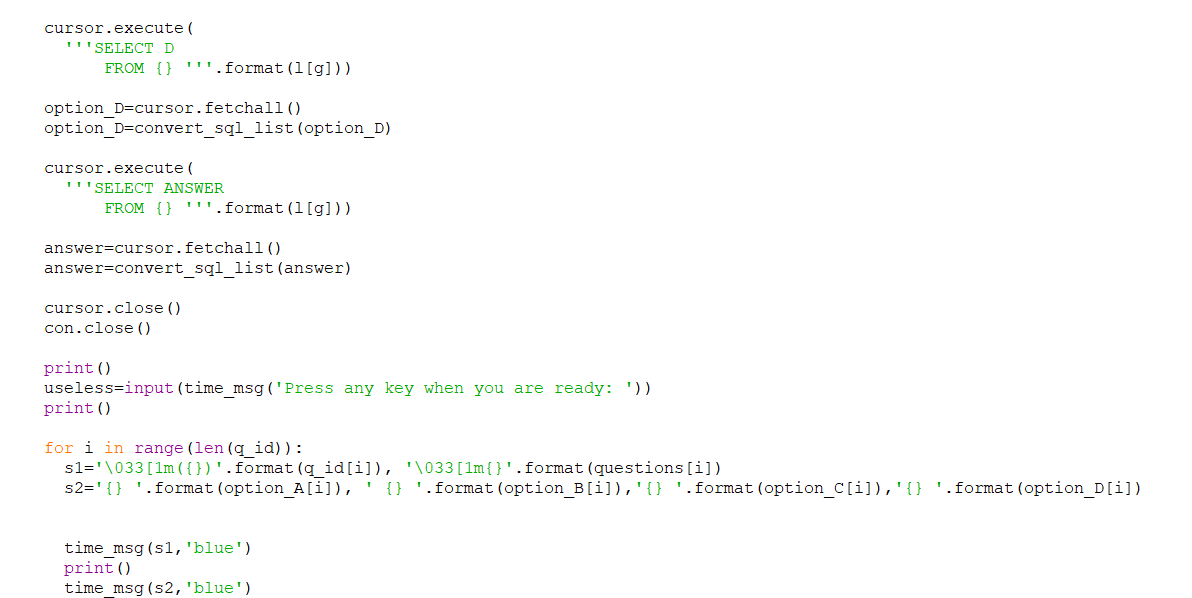
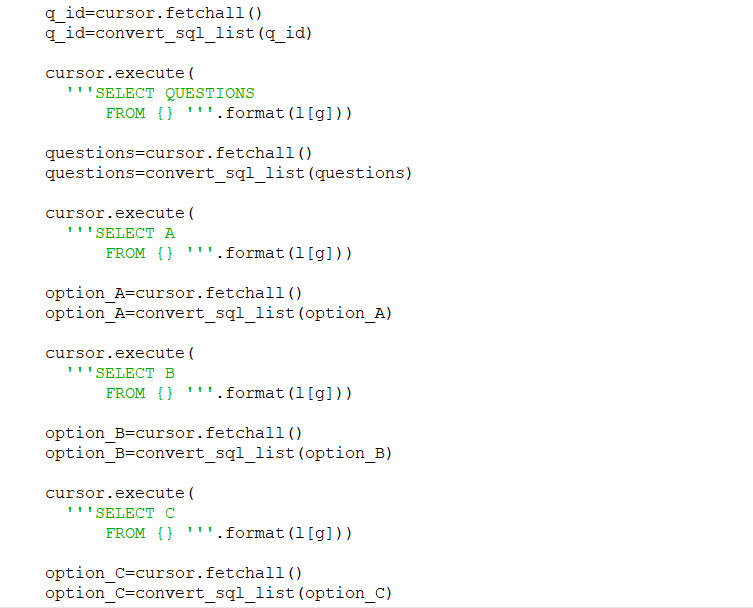
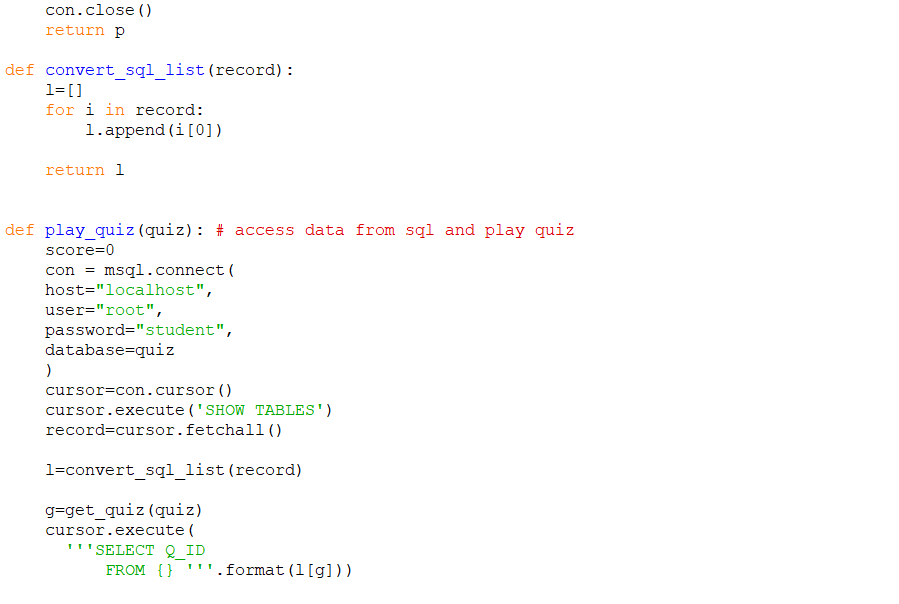
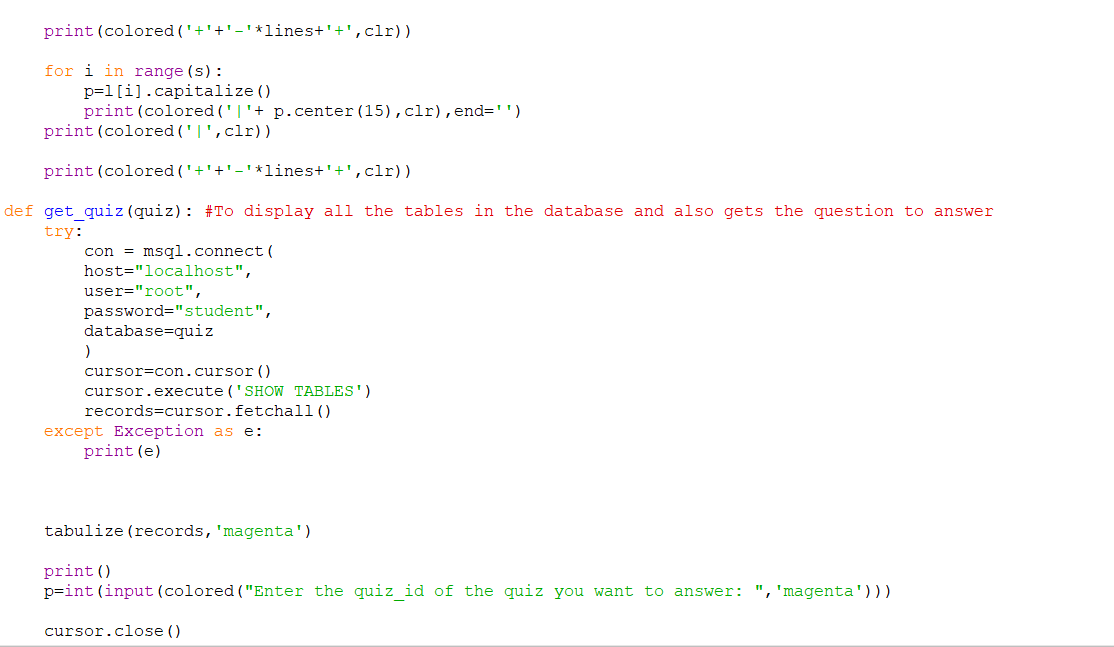
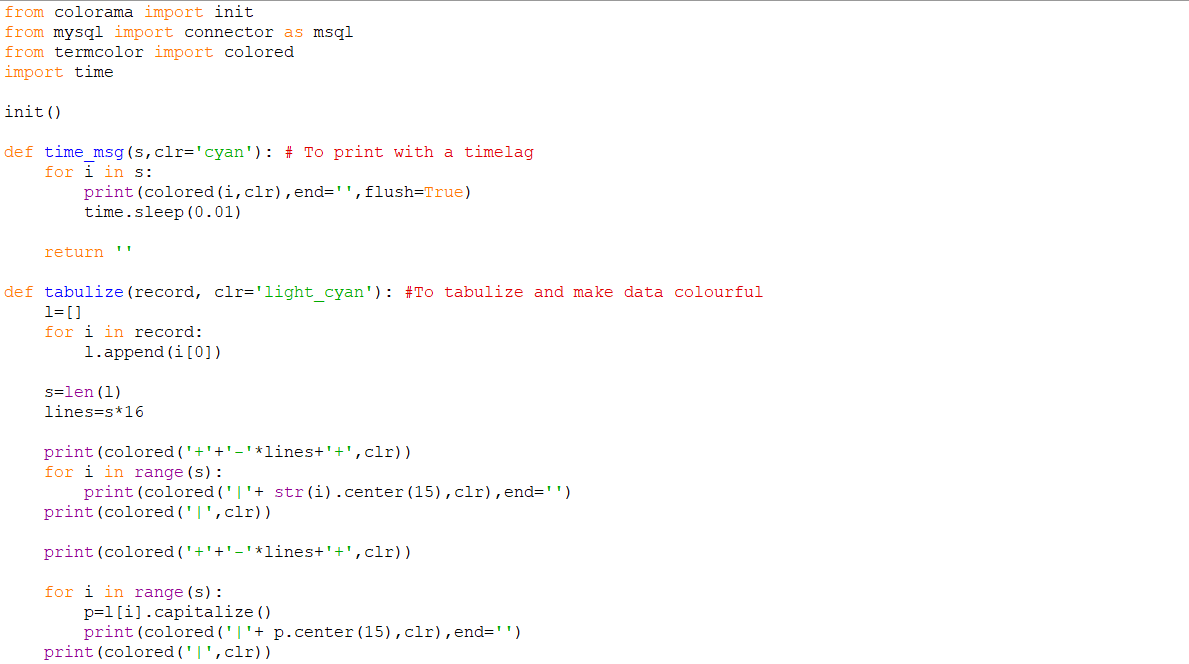
Create new player id player

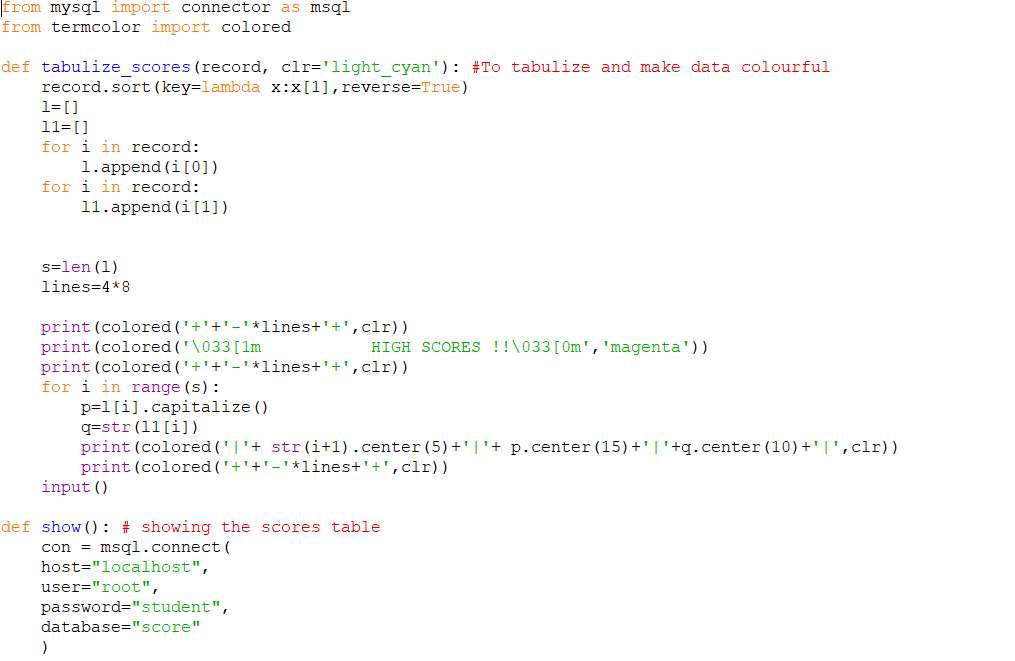
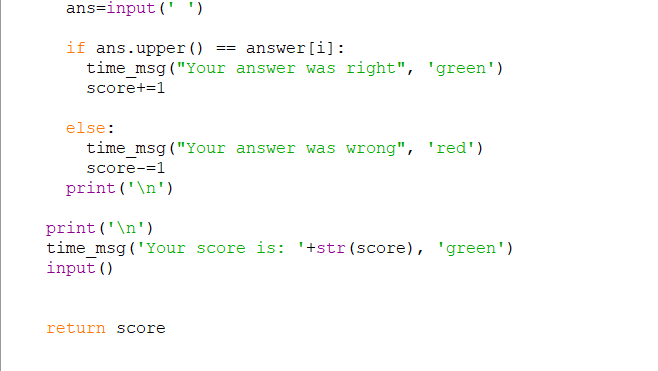
Quiz Gameplay

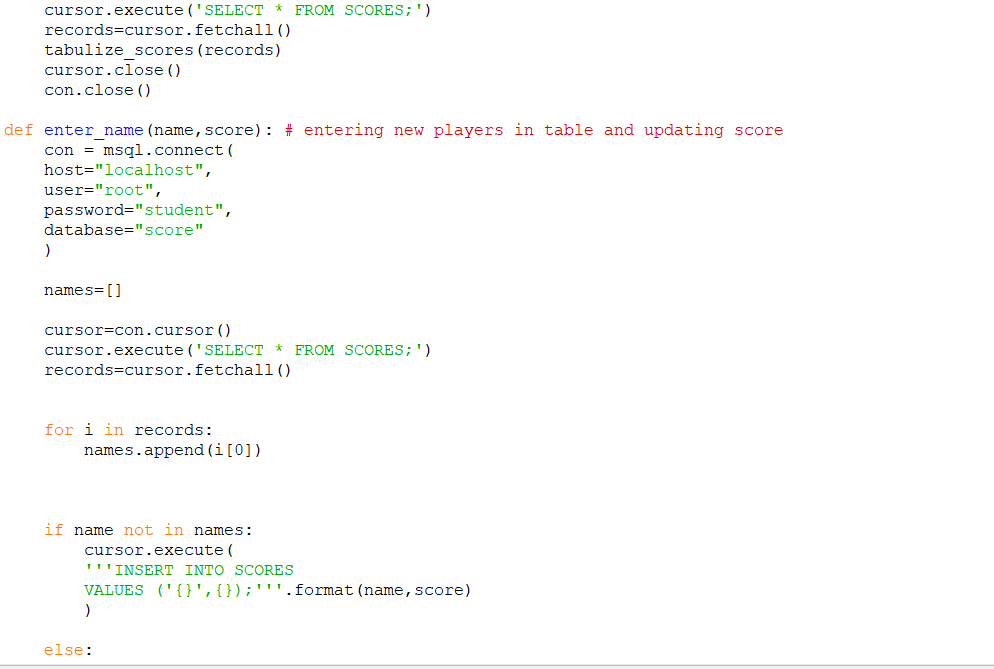
Save quiz and update score

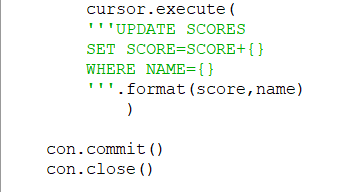
# SOURCE CODE





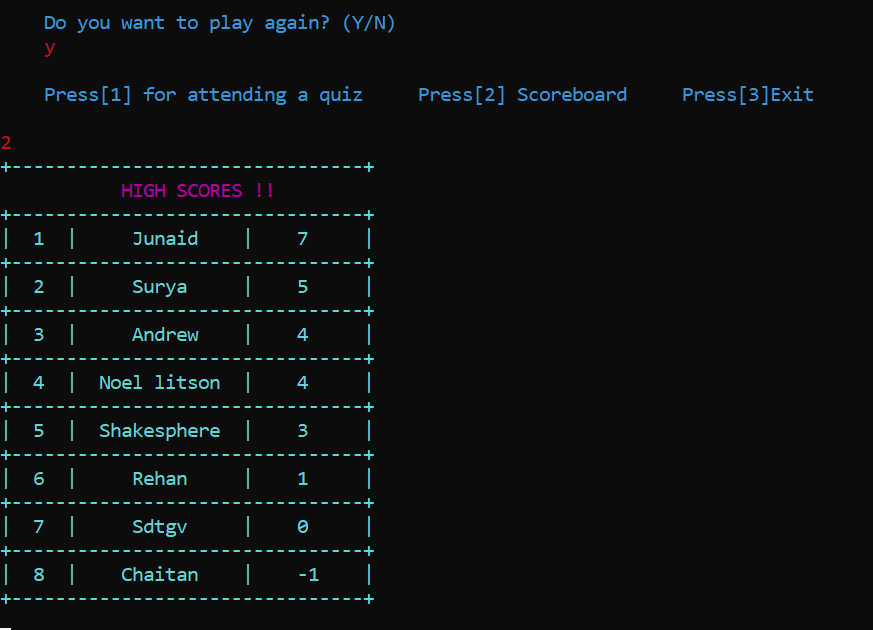
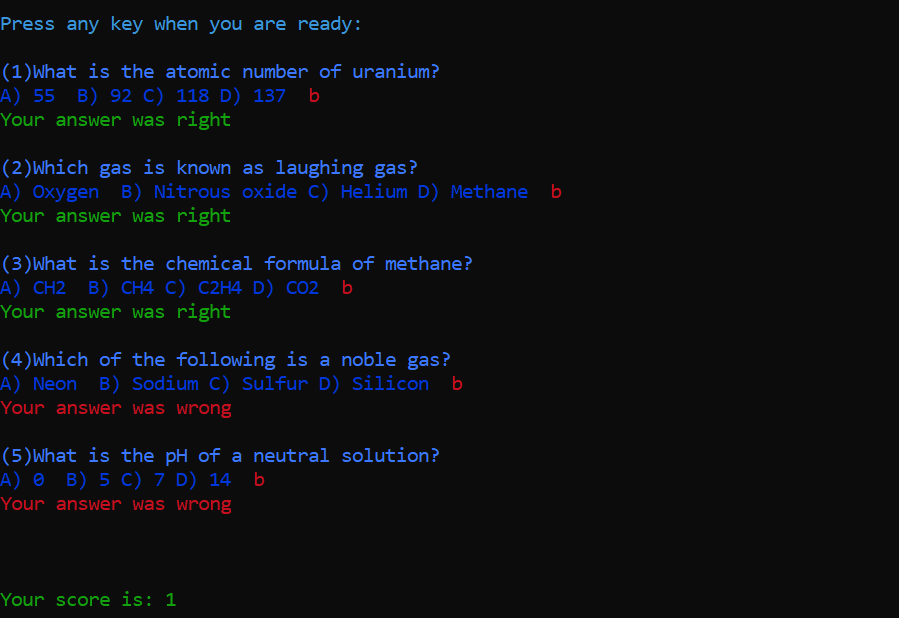






# Output





Conclusion

By this project, we were able to learn a lot about quiz creation programs and Python – Mysql inteface concepts. This project has helped us to get a deeper knowledge of the Python programming language. We believe that we have made use of our knowledge in python to make this project a success. This program was compiled and rectified of all errors. It was run and the desired output was obtained.

## Bibilography

* Computer Science with Python *by Preeti Arora*
* NCERT XII Computer Science textbook
* [www.greeksforgreeks.com](http://www.greeksforgreeks.com/)
* [www.w3schools.com](http://www.w3schools.com/)
* [www.wiki.python.org](http://www.wiki.python.org/)

Thank you

**Page 50 of 50**

Page **50** of **50**