

Full-stack applications - Beginner series

Project > Pythonic Quiz and CRUD applications

Tools > Python3 + Django + SQLite3



Resource Links

→ The slides available here on GitHub:

https://github.com/rnedeigns/WWC_Python_Events

→ URL of today's project:

→ <https://mcquiz-pydj.herokuapp.com/>

Agenda for the series ✨

- Uses-cases of Python
- Tools | Libraries | Database
- Application's **What** and **How**
- Walk-through of the code and deployment
- Q&A

Use-cases of Python ✨

- Full-stack web applications
- GUI/Desktop applications
- Game development
- Software Testing
- Web/Data scraping
- Data Analysis
- ML/DL applications
- NLP applications
- Network programming



Applications for the series ✨

Projects and Coding demo on:

- CRUD application
- Quiz web app

Python3 > Development Tools & Libraries ✨



It's General-purpose,
High-level &
Object-oriented language.
Garbage collected &
Interpreted language.
Initially designed by Guido van Rossum.



Python3 > Deployment Platforms ✨

OSS platforms:



Python MCQuiz Portal

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Q U

MCQuiz I

These are the Multi-Choice Quizes at
Click on any of these category - have FUN with LEARN

1. Click on TITLE of any of the tile below, of your choice to play QUIZ.

2. Choose all of your options and click SUBMIT at the end to get the correct answers.

General Knowledge

This is one of the category to play the QUIZ based on the general knowledge. Click on any of the category among these and have fun with learn!!

Geography

As the name says, these tile contains the quizzes related to the Geography, feel free to participate. Learn or enhance or revise your knowledge about Earth and Geography!

Python3

It's an Object Oriented Programming language and it's used to build multi-purpose software applications. It can be found in full-stack web apps, gaming apps, software testing the applications, networking apps and in Data Science related applications. It's compatible with many relational & NoSQL databases. It's an open-source and cross-platform compatible coding language. This tile is pertaining to quizzes based on Python3 language and its syntaxes. There can be multi-answers for a question!

Food

When we think of FOOD, does it makes you feel hungry? Hmmm . . . Let's know some new info about multi-cuisines and other interesting facts by playing this quiz!

STEM

In this tile you will find quizzes on Science, Technology, Engineering and Maths topics. . . click on the STEM to get started

Sports

For Sports lovers and who enjoys playing any sport or wants to know about some facts about Football or Rugby etc. And about female and male players and about world cups or nobel prizes achievements. . .

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Q U I Z

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These are the Multi-Choice Quizes and category-wise as seen below . . .
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1. Octopus has how many hearts?

- ☐ 3
- ☐ 1
- ☐ 5
- ☐ 8

2. Which is the capital city of Australia?

- ☐ Perth
- ☐ Sydney
- ☐ Brisbane
- ☐ Canberra

3. What is the smallest planet in our solar system?

- ☐ Mars
- ☐ Mercury
- ☐ Uranus
- ☐ Jupiter

4. What is the tallest mountain in the world?

- ☐ Mount Abu
- ☐ Mount Rainier
- ☐ Mount Everest
- ☐ Swiss Alps

Multi-Choice Quizzes | Python

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NEXT

PREV

Multi-Choice Quizzes on Python

Learn | Fun | Recap ...

1. What does this statement do 'dict(zip(var_1, var_2))' - Assume var_1 and var_2 are lists

- ☐ Returns dictionary for var_1 and var_2
- ☐ Converts two lists into a dictionary
- ☐ Throws error
- ☐ Only merges two variables

2. What is the correct output of below statements: tp = ("Python3"); print(type(tp))

- ☐ bool
- ☐ list
- ☐ str
- ☐ tuple

3. Which of the following is correct?

- ☐ Comments are for programmers for better understanding of the program.
- ☐ Python Interpreter ignores comment
- ☐ Multi-line comments in Python using triple quotes
- ☐ All of them

4. Python was created by:

- ☐ James Gosling
- ☐ Guido van Rossum
- ☐ Steve Jobs
- ☐ Google

5. What is a correct syntax to output 'Hello World' in Python?

- ☐ print("Hello World")
- ☐ echo "Hello World"
- ☐ echo("Hello World")



CRUD application - Students Registry

Django Web Framework

Add Student

Student ID	Student Name	Student Email	Student Address	Student Contact	Student Gender	Edit/Update	Delete
4	Kate	kate@outlook.com	342, Willson Street, UK	4467583	F	Edit	Delete
5	Williams	williams@outlook.com	23, Eastham, UK	4490280	M	Edit	Delete
6	Rathod	rathod@gmail.com	45, City Central, New Delhi, India	916736	M	Edit	Delete
7	John	john@gmail.com	111, Gallions Reach, UK	4413910	M	Edit	Delete
8	Maina	maina@outlook.com	56, High Street, Bombay, India	919939	F	Edit	Delete



Add New Student Record

Student Name

Email

Address

Phone/Mobile Contact

Gender

☐ Female | ☐ Male

Insert Record

Home Page

Summary

Brief of today's content in few points

Join our Slack for Help

<http://bit.ly/WWCodePythonSlack>

We will be happy to answer questions you may have...!!



Thank you All ...!

Series presented by Women Who Code's Python track and
Team

Quiz application on 22nd January 2022
at 11pm IST

