

PYTHON PROJECT 1

QUIZ GAME

Description

The Quiz Game consists of MCQ on OOPS CONCEPT

Code description

- Python fundamentals (LIST, Dictionary) *are used in creating question banks and options banks.*
- **Function:** *Used for game creation.*
- **For loop:** *used to continue the game till questions are over.*

Design

- *The game consists of 5 questions.*
- *Each question consists of 4 options.*
- *For each correct answer 1 mark .*

- For each wrong answer **0** marks.
- After answering each question **Current Result** is displayed.
- In the end total **Score** along with the **Percentage** of users in the quiz game is displayed.

```

1 print("*****")
2 print("WELCOME TO THE ULTIMATE OOPS QUIZ GAME")
3
4 question_bank=[
5     ("text":"The ability of one to acquire methods and attributes of another class is called?","answer":"A"),
6     ("text":"Which of the following is type of inheritance?","answer":"D"),
7     ("text":"What type of inheritance has multiple subclasses to a single super class?","answer":"C"),
8     ("text":"What is the depth of multilevel inheritance in python?","answer":"A"),
9     ("text":"What does?","answer":"B"),
10 ]
11
12 options= [
13     ["A. Inheritance ", "B. Abstraction ", "C. Polymorphism ", "D. Objects "],
14     ["A. Single ", "B. Double ", "C. Multiple ", "D. BOTH A & C "],
15     ["A. Multiple Inheritance", "B. Multilevel Inheritance", "C. Hierarchical Inheritance", "D. None Of These"],
16     ["A. Two level", "B. Three level", "C. Any level", "D. None Of These"],
17     ["A. Method Recursive Object ", "B. Method Resolution Order", "C. Main Resolution Order", "D. Method Resolution Object"],
18 ]
19
20 score=0
21
22 def check_answer(user_guess,correct_answer):

```

```

23
24 if user_guess == correct_answer:
25     return True
26 else:
27     return False
28
29 for question_num in range(len(question_bank)):
30     print("*****")
31     print(question_bank[question_num]["text"])
32     for i in options[question_num]:
33         print(i)
34
35     guess=input("Enter your answer (A/B/C/D): ").upper()
36     is_correct=check_answer(guess,question_bank[question_num]["answer"])
37     if is_correct:
38         print("correct answer")
39         score+=1
40     else:
41         print("incorrect Answer")
42         print(f"the correct answer is {question_bank[question_num]['answer']}")
43     print(f"Your current score is {score}/{question_num+1}")

```

```
14 def user_guess == correct_answer:
15     if user_guess == correct_answer:
16         return True
17     else:
18         return False
19
20 for question_num in range(len(question_bank)):
21     print("*****")
22     print(question_bank[question_num]["text"])
23     for i in options[question_num]:
24         print(i)
25
26     guess=input("Enter your answer (A/B/C/D): ").upper()
27     is_correct=check_answer(guess,question_bank[question_num]["answer"])
28     if is_correct:
29         print("correct answer")
30         score+=1
31     else:
32         print("incorrect Answer")
33         print(f"the correct answer is {question_bank[question_num]['answer']}")
34         print(f"Your current score is{score}/{question_num+1}")
35
36 print(f"you have given {score} correct answer")
37 print(f"your score is {(score/len(question_bank))*100}")
```

• OUTPUT:

```
D.None Of These
Enter your answer (A/B/C/D): C
correct answer
Your current score is3/3

*****
what is the depth of multilevel inheritance in python?
A.Two Level
B.Three Level
C.Any Level
D.None Of These
Enter your answer (A/B/C/D): A
correct answer
Your current score is4/4

*****
what does?
A.Method Recursive Object
B.Method Resolution Order
C.Main Resolution Order
D.Method Resolution object
Enter your answer (A/B/C/D): B
correct answer
Your current score is5/5

you have given 5 correct answer
your score is 100.0%
PS C:\Users\Asus\OneDrive\Desktop\python project>
```

```
PS C:\Users\Asus\OneDrive\Desktop\python project> python -u "c:\Users\Asus\OneDrive\Desktop\python project\QUIZGAME.py"
*****
WELCOME TO THE ULTIMATE OOPS QUIZ GAME

*****
The ability of one to acquire methods and attributes of another class is called?
A. Inheritance
B. Abstraction
C. Polymorphism
D. Objects
Enter your answer (A/B/C/D): A
correct answer
Your current score is1/1

*****
which of the following is type of inheritance?
A. Single
B. Double
C. Multiple
D. Both A & C
Enter your answer (A/B/C/D): D
correct answer
Your current score is2/2

*****
what type of inheritance has multiple subclasses to a single super class?
A. Multiple Inheritance
B. Multilevel Inheritance
C. Hierarchical Inheritance
D. None Of These
Enter your answer (A/B/C/D): C
correct answer
Your current score is3/3
```