

MOTIONCUT

PROJECT TITLE

SIMPLE QUIZ GAME

NAME :- SANDHYA PAL

INTRODUCTION

This is create a simple quiz game program in mini – project for beginners and also helps them to boost their knowledge and confidence (this project gives the confidence to learn more and more things).

OBJECTIVES

Before stating the scope of work needed for this project, it's essential first to identify all of its objectives. Noting the goals that this project is aiming to achieve will help in determining its inclusions and limits.

- Build a simple quiz game that asks users a series of questions.
- Implement a scoring system to evaluate the user's performance.
- Enhance user interaction by allowing them to input their answers.
- Reinforce Python fundamentals, including data structures, control flow, and user input handling.
- Gain practical experience in structuring a small Python project.

REQUIREMENTS AND FEATURES

- **Questions and Options:** Design the quiz with at least three questions. Each question should have multiple-choice options.
- **Scoring System:** Implement a scoring mechanism to track the user's correct answers.
- **User Input:** Allow users to input their answers. Use appropriate validation to handle user input.
- **Feedback:** Provide feedback on each question, indicating whether the user's answer was correct or incorrect. Display the correct answer if the user is wrong.
- **Final Score:** Display the user's final score at the end of the quiz.
- **Customization:** Make it easy to customize the quiz by modifying the questions, options, and correct answers.
- **Code Structure:** Organize your code into functions or classes for better readability and maintainability.

Code:

tab.py >  quiz

```
1  #build a simple quiz game that asks users a series of questions.
2  #implement a scoring system to evaluate the user's performance.
3  #enhance user interaction by allowing them to input their answers. reinfor
4  #gain practical experience in structuring a small python project.
5  def quiz():
6      # Defining Score variables
7
8      x = 0
9      score = x
10
11     # Question One
12     print( "Which keyword do you use to loop over a given list of elements?" )
13
14     answer_1 = input("\n (a)for \n(b)while \n(c)each \n(d)loop")
15     # Check if the user's answer matches the correct answer
16     if answer_1.lower() == "a" or answer_1.lower() == "1":
```

⊗ 5 △ 5 🔊 0

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sab.py > quiz

```
10
11 # Question One
12 print( "Which keyword do you use to loop over a given list of elements?")
13
14 answer_1 = input("\n (a)for \n(b)while \n(c)each \n(d)loop")
15 # Check if the user's answer matches the correct answer
16 if answer_1.lower() == "a" or answer_1.lower() == "1":
17     print("Correct")
18     # If yes, increment and print a positive feedback
19     x = x + 1
20 else:
21     print("Incorrect, for")
22
23 # Question Two
24 print("What's the name of Python's sorting algorithm?")
```

5 5 0

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Question Two

```
print("What's the name of Python's sorting algorithm?")
```

```
answer_2 = input("(a) Timsort\n (b)Quicksort\n (c)Merge sort\n (d)Bubble
```

```
# Check if the user's answer matches the correct answer
```

```
if answer_2.lower() == "a" or answer_2.lower() == "Timsort":
```

```
    print("Correct")
```

```
    # If yes, increment and print a positive feedback
```

```
    x = x + 1
```

```
# x = x + 1
```

```
else:
```

```
    print("Incorrect, Timsort")
```

Question Three

```
print("Which built-in function can get information from the user?")
```

```
answer_3 = input("\n (a) input \n (b) get \n (c) print \n (d) write")
```


Question Three

```
print("Which built-in function can get information from the user?")  
answer_3 = input("\n (a) input \n (b) get \n (c) print \n (d) write")
```

Check if the user's answer matches the correct answer

```
if answer_3.lower() == "a" or answer_3.lower() == "input":
```

```
    print("Correct")
```

If yes, increment and print a positive feedback

```
    x = x + 1
```

```
else:
```

```
    print("Incorrect, input")
```

Question Four

```
print("What was the last year the Toronto Maple Leafs won the Stanley C
```

```
answer_4 = input("a)1967\nb)1955\nc)1987\nd)1994\n:")
```



quiz

Question Four

```
print("What was the last year the Toronto Maple Leafs won the Stanley Cup")
```

```
answer_4 = input("a)1967\nb)1955\nc)1987\nd)1994\n:")
```

```
# Check if the user's answer matches the correct answer
```

```
if answer_4.lower() == "a" or answer_4 == "1967":
```

```
    print("Correct")
```

```
    # If yes, increment and print a positive feedback
```

```
    x = x + 1
```

```
else:
```

```
    print("Incorrect, The last time the Toronto Maple Leafs won the Stanley Cup was in 1967")
```

Question Five

```
print("True or False... The current Prime Minister of Canada is Pierre El")
```

```
answer_5 = input(":")
```

```
# Check if the user's answer matches the correct answer
```

```
if answer_5.lower() == "false" or answer_5.lower() == "f":
```


>  quiz

```
# Question Five
```

```
print("True or False... The current Prime Minister of Canada is Pierre El
```

```
answer_5 = input(":")
```

```
# Check if the user's answer matches the correct answer
```

```
if answer_5.lower() == "false" or answer_5.lower() == "f":
```

```
    print("Correct")
```

```
    # If yes, increment and print a positive feedback
```

```
    x = x + 1
```

```
else:
```

```
    print("Incorrect, The current Prime Minister of Canada is Justin Tredeau")
```

```
#Total Score
```

```
# Print the final score and a message based on the percentage
```

5  0

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```
y > ...
# If yes, increment and print a positive feedback

x = x + 1
else:
    print("Incorrect, The current Prime Minister of Canada is Justin Trudeau")

#Total Score

# Print the final score and a message based on the percentage
score = float(x / 5) * 100
print(x, "out of 5, that is", score, "%")

quiz()
```

Incorrect, The last time the Toronto Maple Leafs won the Stanley Cup was 1967
True or False... The current Prime Minister of Canada is Pierre Elliot Tredeau?
:& "C:/Program Files/Python311/python.exe" "c:/Users/HP/Desktop/project motion/sab.py"

Incorrect, The current Prime Minister of Canada is Justin Tredeau

0 out of 5, that is 0.0 %

PS C:\Users\HP\Desktop\project motion> & "C:/Program Files/Python311/python.exe" "c:/Users/HP/Desktop/project motion/sab.py"

Which keyword do you use to loop over a given list of elements?

- (a)for
- (b)while
- (c)each
- (d)loopa

Correct

What's the name of Python's sorting algorithm?

- (a) Timsort
- (b)Quicksort
- (c)Merge sort
- (d)Bubble sorta

Correct

Which built-in function can get information from the user?

- (a) input
- (b) get
- (c) print

 Python

 Python

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(d)Bubble sorta

Correct

Which built-in function can get information from the user?

(a) input

(b) get

(c) print

(d) writea

Correct

What was the last year the Toronto Maple Leafs won the Stanley Cup?

a)1967

b)1955

c)1987

d)1994

:a

Correct

True or False... The current Prime Minister of Canada is Pierre Elliot Tredeau?

:a

Incorrect, The current Prime Minister of Canada is Justin Tredeau

4 out of 5, that is 80.0 %

PS C:\Users\HP\Desktop\project motion> |

Python

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Thank you