

Quiz-Application

Prepare a list of questions and their correct answers.

```
d={1: {'What is a correct syntax to output "Hello" in Python?':  
      ['Print("Hello")', 'print(Hello)', 'print Hello', 'print("Hello")'],  
      'ans': 4  
    },  
    2: {'Is Python code compiled or interpreted?': ['Python code is both compiled and  
interpreted', ' Python code is neither compiled nor interpreted', 'Python code is only  
compiled', 'Python code is only interpreted'],  
      'ans': 1  
    },  
    3: {'All keywords in Python are in _____': ['Capitalized', 'lower case', 'UPPER CASE', 'None  
of the mentioned'],  
      'ans': 4},  
    4: {'What is the order of precedence in python?': [' Exponential, Parentheses, Multiplication,  
Division, Addition, Subtraction', 'Parentheses, Exponential, Multiplication, Division, Addition,  
Subtraction', 'Exponential, Parentheses, Division, Multiplication, Addition,  
Subtraction', 'Parentheses, Exponential, Multiplication, Addition, Division, Subtraction'],  
      'ans': 2},  
    5: {'What does pip stand for python?': ['Pip Installs Python', 'Pip Installs Packages', 'Preferred  
Installer Program', 'All of the mentioned'],  
      'ans': 3},  
    6: {' Which of the following is the truncation division operator in Python?': ['/', '//', '%', '|'],  
      'ans': 2},  
    7: {'What will be the output of the following Python function?\nmin(max(False,-3,-4),  
2,7)': [2,-4,0,7],  
      'ans': 3},  
    8: {'What arithmetic operators cannot be used with strings in Python?': ['+', '*', '-', 'All Of  
Above'], 'ans': 3  
    },  
    9: {'Which of the following statements is used to create an empty set in  
Python?': ['()', '[]', '{}', 'set()'],  
      'ans': 4},  
    10: {'What is the maximum possible length of an identifier in Python?': ['71', '32', '64', 'None Of  
All'], 'ans': 4}  
}
```

Create a function to display each question and accept the user's answer.

```
def Quiz():
    n=1
    global Final_Score
    Final_Score=0
    score=0
    for val in d.values():

        print()
        for k,v in list(val.items()):
            if k!='ans':
                print(n,"-",k)
                print('1'),v[0])
                print('2'),v[1])
                print('3'),v[2])
                print('4'),v[3])
            n+=1
            an=int(input("Enter Your Answer "))
            if k=='ans':
                if an==v:
                    score+=10 #Validate the user's answer and keep track of the score.
        Final_Score=((score/100)*100)
    return Final_Score
```

```
def View_Score(f_score):
    print("Your Recent Score is",f_score) # Allow users to view their most recent score without
    retaking the quiz
    print("if you want to retake Quiz please enter y",end=" ")#Provide an option to retake the
    quiz and reset the score for a new attempt.
    out=input()
    if out=='y':
        f=Quiz()
        print("Your current Score: ",f) # after recaking providing current score
    else:
        return
```

```

Final_Score=0
def Menu(n):
    global Final_Score #setting as Global for keep tract of score
    if n==1:
        Final_Score=Quiz()
        print('Your Score:',Final_Score)# Display the final score after the quiz is completed
    elif n==2:
        View_Score(Final_Score)

print("*****Welcome To Quiz Computation*****")
print('Please Enter your Choice')
print('1.Take Quiz')
print('2.View Score')
print('3.Exit')
n=int(input("Enter Choice "))
while(n!=3):
    Menu(n)
    print("If you want to continue press choice if not the press 3")
    if n!=3:
        print('1.Take quiz')
        print('2.View Score')
        n=int(input("Enter Choice "))

print("Thank you for visiting \u0001F600")

```

Output

Test 1: Menu Display

```
*****Welcome To Quiz Computation*****  
Please Enter your Choice  
1.Take Quiz  
2.View Score  
3.Exit  
Enter Choice
```

Test 2: Final Score After Quiz is Completed

```
Enter Choice 1  
  
1 - What is a correct syntax to output "Hello" in Python?  
1) Print("Hello")  
2) print(Hello)  
3) print Hello  
4) print("Hello")  
Enter Your Answer 4  
  
2 - Is Python code compiled or interpreted?  
1) Python code is both compiled and interpreted  
2) Python code is neither compiled nor interpreted  
3) Python code is only compiled  
4) Python code is only interpreted  
Enter Your Answer 1  
  
3 - All keywords in Python are in _____  
1) Capitalized  
2) lower case  
3) UPPER CASE  
4) None of the mentioned  
Enter Your Answer 4
```

4 - What is the order of precedence in python?

- 1) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
- 2) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
- 3) Exponential, Parentheses, Division, Multiplication, Addition, Subtraction
- 4) Parentheses, Exponential, Multiplication, Addition, Division, Subtraction

Enter Your Answer 2

5 - What does pip stand for python?

- 1) Pip Installs Python
- 2) Pip Installs Packages
- 3) Preferred Installer Program
- 4) All of the mentioned

Enter Your Answer 3

6 - Which of the following is the truncation division operator in Python?

- 1) /
- 2) //
- 3) %
- 4) |

Enter Your Answer 2

7 - What will be the output of the following Python function?

`min(max(False,-3,-4), 2,7)`

- 1) 2
- 2) -4
- 3) 0
- 4) 7

Enter Your Answer 3

```
8 - What arithmetic operators cannot be used with strings in Python?
1) +
2) *
3) -
4) All Of Above
Enter Your Answer 4

9 - Which of the following statements is used to create an empty set in Python?
1) ()
2) []
3) {}
4) set()
Enter Your Answer 4

10 - What is the maximum possible length of an identifier in Python?
1) 71
2) 32
3) 64
4) None Of All
Enter Your Answer 4
Your Score: 90.0
```

Test 3: View Score Recent Score and without Retaking

```
If you want to continue press choice if not the press 3
1.Take quiz
2.View Score
Enter Choice 2
Your Recent Score is 90.0
if you want to retake Quize please enter y █
```

Test 3: providing Option For Rekaing Quiz

Your Recent Score is 90.0

if you want to retake Quiz please enter y y

1 - What is a correct syntax to output "Hello" in Python?

- 1) Print("Hello")
- 2) print(Hello)
- 3) print Hello
- 4) print("Hello")

Enter Your Answer 4

2 - Is Python code compiled or interpreted?

- 1) Python code is both compiled and interpreted
- 2) Python code is neither compiled nor interpreted
- 3) Python code is only compiled
- 4) Python code is only interpreted

Enter Your Answer 1

3 - All keywords in Python are in _____

- 1) Capitalized
- 2) lower case
- 3) UPPER CASE
- 4) None of the mentioned

Enter Your Answer 4

4 - What is the order of precedence in python?

- 1) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
- 2) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
- 3) Exponential, Parentheses, Division, Multiplication, Addition, Subtraction
- 4) Parentheses, Exponential, Multiplication, Addition, Division, Subtraction

Enter Your Answer 2

5 - What does pip stand for python?

- 1) Pip Installs Python
- 2) Pip Installs Packages
- 3) Preferred Installer Program
- 4) All of the mentioned

Enter Your Answer 3

6 - Which of the following is the truncation division operator in Python?

- 1) /
- 2) //
- 3) %
- 4) |

Enter Your Answer 2

7 - What will be the output of the following Python function?

`min(max(False,-3,-4), 2,7)`

- 1) 2
- 2) -4
- 3) 0
- 4) 7

Enter Your Answer 3


```

8 - What arithmetic operators cannot be used with strings in Python?
1) +
2) *
3) -
4) All Of Above
Enter Your Answer 3

9 - Which of the following statements is used to create an empty set in Python?
1) ()
2) []
3) {}
4) set()
Enter Your Answer 4

10 - What is the maximum possible length of an identifier in Python?
1) 71
2) 32
3) 64
4) None Of All
Enter Your Answer 4
Your current Score: 100.0

```

After retaking current Score is 100.

Test 4: after retaking your current score is provided as recent score and giving option to retake quiz?

```

Your current Score: 100.0
If you want to continue press choice if not the press 3
1.Take quiz
2.View Score
Enter Choice 2
Your Recent Score is 100.0
if you want to retake Quiz please enter y

```

Test 5:Exit From Code

```

Enter Choice 3
Thank you for visiting @F600
PS C:\Lavanya_Code\Python_Lectures_Assignments\Quiz_app>

```