WhiteHat Jr
Live Online Coding for Kids

INSTRUCTIONS:

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Goal of the Project:

In class 97, we got introduced to the python language.

In this project, you'll have to:
- Explore python syntax.
- Write code for a number guessing game.

Story:

Due to the pandemic Rahul is stuck at home and is very bored so his brother wants to create a computer game for Rahul. Help Rahul's brother to create the game.

```
Number guessing game
Guess a number (between 1 and 9):
Enter your guess:- 3
Your guess was too low: Guess a number higher than 3
Enter your guess:- 4
Your guess was too low: Guess a number higher than 4
Enter your guess:- 7
Your guess was too low: Guess a number higher than 7
Enter your guess:- 9
Congratulation YOU WON!!!
```

*This is just for your reference. We expect you to apply your own creativity in the project.

Getting Started:

1. Make sure python is installed on your system.
2. Open your editor.

Specific Tasks to complete the Project:

1. Create a guessingGame.py file.
2. Import a random module into your file.
3. Use random to generate a random number from 1-9.
4. Give users 5 chances to guess the number.
5. If the user guesses incorrectly, show a hint or message to the user if their guess was

close or far.
6. If the user guesses correctly show the congratulating message.
7. Save the code.
8. Run and test the code.

Submitting the Project:

1. Upload your completed project to your own github account.
2. Create a new repository named **Project 97**.
3. **Upload** working code to this github repository.
4. Submit the published link of the project in the Student Dashboard.

Hints:

Take care of the indentation while writing the code.

1. Use the while loop to count the chances of the player

```python
# While loop to count the number of chances
while chances < 5:
```

2. Show the "You Win" msg when the player guesses correctly and end the program using break.

```python
# Compare the user entered number with the number to be guessed

if guess == number:
    # if number entered by user is same as the generated
    # number by randint function then break from loop using loop
    # control statement "break"
    print("Congratulation YOU WON!!!")
    break
```

3. Show the "you lose" msg and the number.

```python
# Check whether the user guessed the correct number
if not chances < 5:
    print("YOU LOSE!!! The number is", number)
```

REMEMBER... Try your best, that's more important than being correct.
After submitting your project your teacher will send you feedback on your work.

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