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write a program in python that plays a game of hangman, where the chosen word is "computers"

Sure, I can help you create a simple Python program for playing Hangman with the chosen word "computers." Here's a basic implementation:

```
python
import random

# Function to choose a random word from a predefined list
def choose_word():
    word_list = ["computers", "programming", "python", "hangman", "keyboard"]
    return random.choice(word_list)

# Function to display the current state of the word
def display_word(word, guessed_letters):
    display = ""
```

Copy code

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```
# Function to display the current state of the word
def display_word(word, guessed_letters):
    display = ""
    for letter in word:
        if letter in guessed_letters:
            display += letter
        else:
            display += " _ "
    return display

# Main function to play Hangman
def play_hangman():
    word_to_guess = choose_word()
    guessed_letters = []
    attempts = 6

    print("Welcome to Hangman!")
    while True:
        print(f"Word: {display_word(word_to_guess, guessed_letters)}")
        print(f"Attempts left: {attempts}")
        guess = input("Guess a letter: ").lower()
```

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```
print("Welcome to Hangman!")
while True:
    print(f"Word: {display_word(word_to_guess, guessed_letters)}")
    print(f"Attempts left: {attempts}")
    guess = input("Guess a letter: ").lower()

    if len(guess) != 1 or not guess.isalpha():
        print("Please enter a single letter.")
        continue

    if guess in guessed_letters:
        print("You've already guessed that letter.")
        continue

    guessed_letters.append(guess)

    if guess in word_to_guess:
        print("Good guess!")
        if set(guessed_letters) == set(word_to_guess):
            print(f"Congratulations! You guessed the word: {word_to_guess}")
            break
```

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```
        if guess in word_to_guess:
            print("Good guess!")
            if set(guessed_letters) == set(word_to_guess):
                print(f"Congratulations! You guessed the word: {word_to_guess}")
                break
        else:
            print("Wrong guess!")
            attempts -= 1
            if attempts == 0:
                print(f"You're out of attempts. The word was '{word_to_guess}'")
                break

if __name__ == "__main__":
    play_hangman()
```

This code defines a simple Hangman game where the player has 6 attempts to guess the word "computers." You can modify the "word\_list" in the "choose\_word()" function to add more words to the game. To play, simply run the program, and it will guide you through the game.

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