Hangman game code using python

```
import random
def get_random_word():
  words = [
     "red", "blue", "green", "yellow", "purple", "orange", "pink",
     "dog", "cat", "elephant", "giraffe", "lion", "tiger", "zebra"
  ]
  return random.choice(words)
def display_hangman(tries):
  stages = [
     """
            0
           /|\\
           / \\
     ,,,,,,,
     ,,,,,,
            Ι
            0
           /|\\
     ******
            1
            0
           /|\\
     ******
     ,,,,,,,
            0
     .....
```

```
0
     *****
  return stages[tries]
def play_hangman():
  word = get_random_word()
  word_letters = set(word)
  guessed_letters = set()
  tries = 6
  print("Welcome to Hangman!")
  while tries > 0 and word_letters != guessed_letters:
     print(display_hangman(tries))
     print("Guessed Letters: ", ' '.join(guessed_letters))
     # Show current word with guessed letters
     word_display = [letter if letter in guessed_letters else '_' for letter in word]
    print("Current Word: ", ' '.join(word_display))
     guess = input("Guess a letter: ").lower()
     if guess in guessed_letters:
       print("You have already guessed that letter. Try again.")
     elif guess in word_letters:
       guessed_letters.add(guess)
       print("Good guess!")
     else:
```

```
guessed_letters.add(guess)
    tries -= 1
    print("Wrong guess! You lose a try.")

if word_letters == guessed_letters:
    print(f"Congratulations! You've guessed the word '{word}' correctly!")
else:
    print(display_hangman(tries))
    print(f"Sorry, you've run out of tries. The word was '{word}'.")

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