Untitled-3

```python
1   import random
2
3   def get_random_word():
4       """Return a random word from a predefined list of words."""
5       words = ['python', 'programming', 'developer', 'hangman', 'challenge']
6       return random.choice(words)
7
8   def display_word(word, guessed_letters):
9       """Display the word with guessed letters and underscores for remaining letters."""
10      return ' '.join(letter if letter in guessed_letters else '_' for letter in word)
11
12  def play_guess_the_word():
13      """Main function to play the Guess the Word game."""
14      word = get_random_word()
15      guessed_letters = set()
16      attempts_left = 6
17
18      print("Welcome to 'Guess the Word'!")
19      print("Try to guess the word, one letter at a time.")
20
21      while attempts_left > 0:
22          print("\n" + display_word(word, guessed_letters))
23          print(f"Attempts left: {attempts_left}")
24
25          guess = input("Enter a letter: ").lower()
26
27          if len(guess) != 1 or not guess.isalpha():
28              print("Invalid input! Please enter a single letter.")
29              continue
30
31          if guess in guessed_letters:
32              print("You already guessed that letter.")
33              continue
34
35          if guess in word:
36              guessed_letters.add(guess)
37              print("Good guess!")
38          else:
39              attempts_left -= 1
40              print("Incorrect guess.")
41
42          if set(word) <= guessed_letters:
43              print(f"\nCongratulations! You've guessed the word: {word}")
44              break
45      else:
46          print(f"\nGame Over! The word was: {word}")
47
48  # Run the game
```

```
49  if __name__ == "__main__":
50      play_guess_the_word()
51
```