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Programming Experiment #6

```
def isWordGuessed(secretWord, lettersGuessed):
```

```
    for i in secretWord:
```

```
        if i not in lettersGuessed:
```

```
            return False
```

```
    return True
```

```
def getGuessedWord(secretWord, lettersGuessed):
```

```
    result = []
```

```
    for i in secretWord:
```

```
        if i in lettersGuessed:
```

```
            result.append(i)
```

```
        else:
```

```
            result.append('_')
```

```
    return ' '.join(result)
```

```
import string
```

```
alph = string.ascii_lowercase
```

```
def getAvailableLetters(lettersGuessed):
```

```
    remain = []
```

```
    for i in alph:
```

```
        if i not in lettersGuessed:
```

```
            remain.append(i)
```

```
    return ''.join(remain)
```

```
def hangaroo(secretWord):
```

```
    print('You are my prisoner.')
```

```
    print("Let's play a little game ")
```

```
print('Guess the word that has', len(secretWord), "letters.")
print('If you guess the word then you may leave. ')
lettersGuessed = []

while isWordGuessed(secretWord, lettersGuessed) == False:
    print('-----')
    print("You haven't used these letters yet:", getAvailableLetters(lettersGuessed))
    guess = str(input('Guess a letter !: ')).lower()
    if guess in secretWord and guess not in lettersGuessed:
        lettersGuessed.append(guess)
        print('Nice one! ', getGuessedWord(secretWord, lettersGuessed))
    elif guess in lettersGuessed:
        print("You did that already!: ", getGuessedWord(secretWord, lettersGuessed))
    elif guess not in secretWord:
        print("Guess again!: ", getGuessedWord(secretWord, lettersGuessed))
        lettersGuessed.append(guess)
if isWordGuessed(secretWord, lettersGuessed) == True:
    print('-----')
    print('You have guessed the word, you are free to go! ')
```

