***Hangman Game***

In this tutorial, we will create the hangman game in Python

To code the hangman game in Python you have to use the input() function to ask the user to guess a letter. Then you keep track of the maximum number of attempts allowed and if that’s reached before guessing the full word the user loses. To print the hangman stages you can use multi-line strings.

We will start by writing the code to guess a single letter…

Once this is done we will repeat this code over and over using a Python while loop.

This code defines a simple Hangman game using countries as the secret words. You can run play\_hangman() to start the game.

***import random***

**countries = [**

**"Afghanistan", "Albania", "Algeria", "Andorra", "Angola", "Antigua and Barbuda", "Argentina", "Armenia",**

**"Australia", "Austria", "Azerbaijan", "Bahamas", "Bahrain", "Bangladesh", "Barbados", "Belarus", "Belgium",**

**"Belize", "Benin", "Bhutan", "Bolivia", "Bosnia and Herzegovina", "Botswana", "Brazil", "Brunei", "Bulgaria",**

**"Burkina Faso", "Burundi", "Cabo Verde", "Cambodia", "Cameroon", "Canada", "Central African Republic", "Chad",**

**"Chile", "China", "Colombia", "Comoros", "Congo", "Costa Rica", "Croatia", "Cuba", "Cyprus", "Czech Republic",**

**"Denmark", "Djibouti", "Dominica", "Dominican Republic", "Ecuador", "Egypt", "El Salvador", "Equatorial Guinea",**

**"Eritrea", "Estonia", "Eswatini", "Ethiopia", "Fiji", "Finland", "France", "Gabon", "Gambia", "Georgia",**

**"Germany", "Ghana", "Greece", "Grenada", "Guatemala", "Guinea", "Guinea-Bissau", "Guyana", "Haiti", "Honduras",**

**"Hungary", "Iceland", "India", "Indonesia", "Iran", "Iraq", "Ireland", "Israel", "Italy", "Jamaica", "Japan",**

**"Jordan", "Kazakhstan", "Kenya", "Kiribati", "Kosovo", "Kuwait", "Kyrgyzstan", "Laos", "Latvia", "Lebanon",**

**"Lesotho", "Liberia", "Libya", "Liechtenstein", "Lithuania", "Luxembourg", "Madagascar", "Malawi", "Malaysia",**

**"Maldives", "Mali", "Malta", "Marshall Islands", "Mauritania", "Mauritius", "Mexico", "Micronesia", "Moldova",**

**"Monaco", "Mongolia", "Montenegro", "Morocco", "Mozambique", "Myanmar", "Namibia", "Nauru", "Nepal",**

**"Netherlands", "New Zealand", "Nicaragua", "Niger", "Nigeria", "North Korea", "North Macedonia", "Norway",**

**"Oman", "Pakistan", "Palau", "Palestine", "Panama", "Papua New Guinea", "Paraguay", "Peru", "Philippines",**

**"Poland", "Portugal", "Qatar", "Romania", "Russia", "Rwanda", "Saint Kitts and Nevis", "Saint Lucia",**

**"Saint Vincent and the Grenadines", "Samoa", "San Marino", "Sao Tome and Principe", "Saudi Arabia", "Senegal",**

**"Serbia", "Seychelles", "Sierra Leone", "Singapore", "Slovakia", "Slovenia", "Solomon Islands", "Somalia",**

**"South Africa", "South Korea", "South Sudan", "Spain", "Sri Lanka", "Sudan", "Suriname", "Sweden", "Switzerland",**

**"Syria", "Taiwan", "Tajikistan", "Tanzania", "Thailand", "Timor-Leste", "Togo", "Tonga", "Trinidad and Tobago",**

**"Tunisia", "Turkey", "Turkmenistan", "Tuvalu", "Uganda", "Ukraine", "United Arab Emirates", "United Kingdom",**

**"United States", "Uruguay", "Uzbekistan", "Vanuatu", "Vatican City", "Venezuela", "Vietnam", "Yemen", "Zambia",**

**"Zimbabwe"**

**]**

**def select\_country():**

**return random.choice(countries)**

**def display\_word(secret\_word, guessed\_letters):**

**displayed\_word = ""**

**for letter in secret\_word:**

**if letter in guessed\_letters:**

**displayed\_word += letter**

**else:**

**displayed\_word += "\_"**

**return displayed\_word**

**def play\_game():**

**secret\_word = select\_country().lower()**

**guessed\_letters = []**

**chances = len(secret\_word) + 2**

**print("Welcome to Country Hangman!")**

**print("Try to guess the name of the country.")**

**print(display\_word(secret\_word, guessed\_letters))**

**while True:**

**print("\nYou have {} chances left.".format(chances))**

**guess = input("Guess a letter: ").lower()**

**if guess in guessed\_letters:**

**print("You've already guessed that letter.")**

**continue**

**elif guess in secret\_word:**

**print("Good guess!")**

**guessed\_letters.append(guess)**

**else:**

**print("Wrong guess!")**

**chances -= 1**

**print(display\_word(secret\_word, guessed\_letters))**

**if display\_word(secret\_word, guessed\_letters) == secret\_word:**

**print("Congratulations! You've guessed the country: {}".format(secret\_word.upper()))**

**break**

**elif chances == 0:**

**print("Sorry, you've run out of chances. The country was: {}".format(secret\_word.upper()))**

**break**

**if name == "main":**

**play\_game()**

**Zayniddinov Ogabek. ID:202039103**