HANGMAN GAME using PYTHON

In [1]:

```python
import random
import time

# Initial Steps to invite in the game:
print("\nWelcome to Hangman game\n")
name = input("Enter your name: ")
print("Hello " + name + "! Best of Luck!")
time.sleep(2)
print("The game is about to start!\n Let's play Hangman!")
time.sleep(3)


# The parameters we require to execute the game:
def main():
    global count
    global display
    global word
    global already_guessed
    global length
    global play_game
    words_to_guess = ["january","border","image","film","promise","kids","lungs","doll",
"rhyme","damage"
                    ,"plants"]
    word = random.choice(words_to_guess)
    length = len(word)
    count = 0
    display = '_' * length
    already_guessed = []
    play_game = ""

# A loop to re-execute the game when the first round ends:

def play_loop():
    global play_game
    play_game = input("Do You want to play again? y = yes, n = no \n")
    while play_game not in ["y", "n","Y","N"]:
        play_game = input("Do You want to play again? y = yes, n = no \n")
    if play_game == "y":
        main()
    elif play_game == "n":
        print("Thanks For Playing! We expect you back again!")
        exit()

# Initializing all the conditions required for the game:
def hangman():
    global count
    global display
    global word
    global already_guessed
    global play_game
    limit = 5
    guess = input("This is the Hangman Word: " + display + " Enter your guess: \n")
    guess = guess.strip()
    if len(guess.strip()) == 0 or len(guess.strip()) >= 2 or guess <= "9":
        print("Invalid Input, Try a letter\n")
        hangman()


    elif guess in word:
        already_guessed.extend([guess])
        index = word.find(guess)
        word = word[:index] + "_" + word[index + 1:]
        display = display[:index] + guess + display[index + 1:]
```

```python
            print(display + "\n")

        elif guess in already_guessed:
            print("Try another letter.\n")

        else:
            count += 1

            if count == 1:
                time.sleep(1)

                print("Wrong guess. " + str(limit - count) + " guesses remaining\n")

            elif count == 2:
                time.sleep(1)

                print("Wrong guess. " + str(limit - count) + " guesses remaining\n")

            elif count == 3:
                time.sleep(1)

                print("Wrong guess. " + str(limit - count) + " guesses remaining\n")

            elif count == 4:
                time.sleep(1)

                print("Wrong guess. " + str(limit - count) + " last guess remaining\n")

            elif count == 5:
                time.sleep(1)

                print("Wrong guess. You are hanged!!!\n")
                print("The word was:",already_guessed,word)
                play_loop()

        if word == '_' * length:
            print("Congrats! You have guessed the word correctly!")
            play_loop()

        elif count != limit:
            hangman()


main()


hangman()
```

```
Welcome to Hangman game

Enter your name: John
Hello John! Best of Luck!
The game is about to start!
 Let's play Hangman!
This is the Hangman Word: _____  Enter your guess:
i
____i__

This is the Hangman Word: ____i__ Enter your guess:
p
p___i__

This is the Hangman Word: p___i__ Enter your guess:
r
pr__i__

This is the Hangman Word: pr__i__ Enter your guess:
o
pro_i__

This is the Hangman Word: pro_i__ Enter your guess:
m
```

```
promi__

This is the Hangman Word: promi__  Enter your guess:
s
promis_

This is the Hangman Word: promis_  Enter your guess:
e
promise

Congrats! You have guessed the word correctly!
Do You want to play again? y = yes, n = no
n
Thanks For Playing! We expect you back again!
```