

## **WORD GUESSING GAME**

### **OBJECTIVE:**

In project we are creating a program for WORD GUESSING GAME.

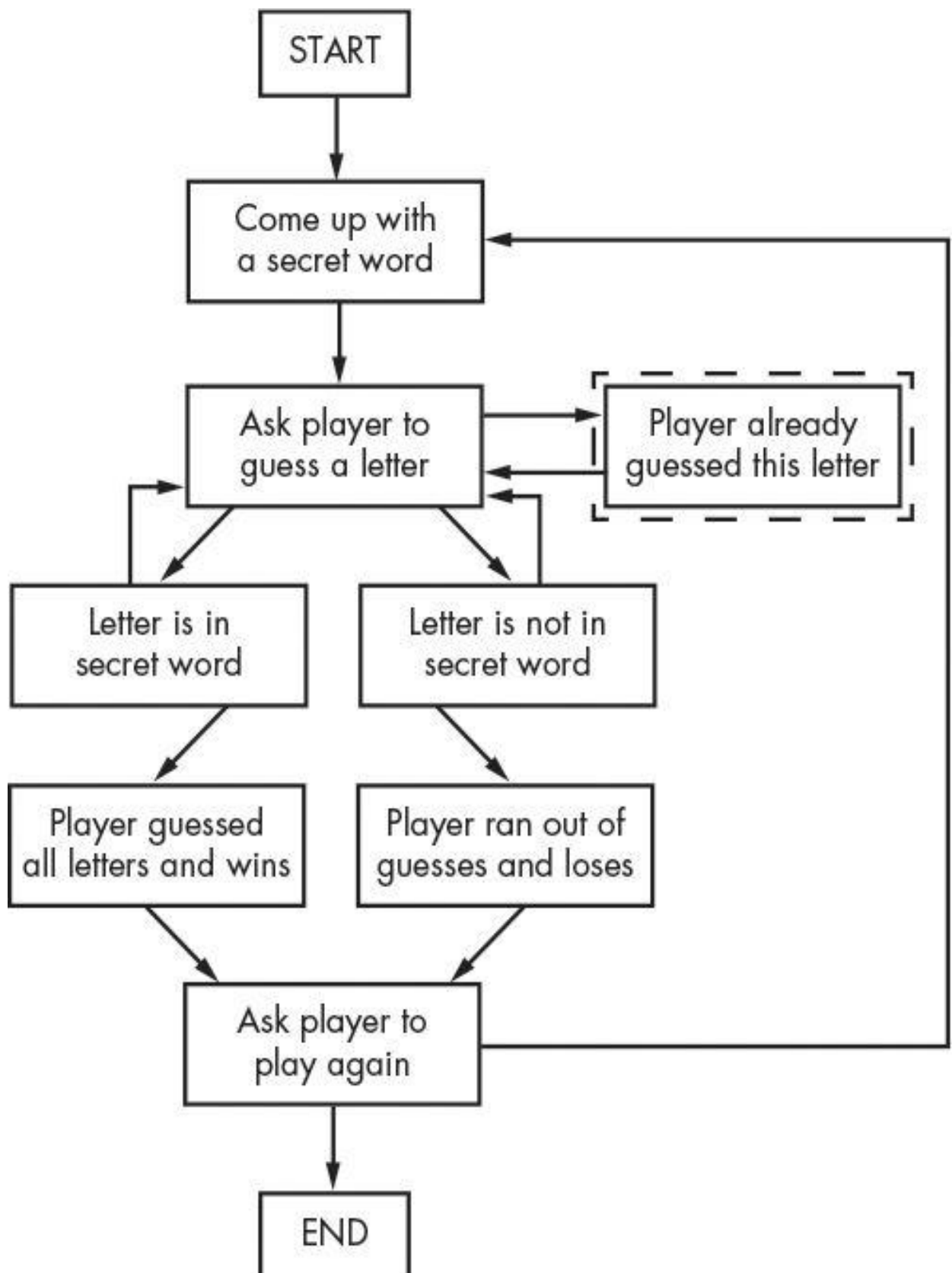
### **ABSTRACT:**

In this game, there is a list of words present, out of which our interpreter will choose 1 random word. The user first has to input their names and then, will be asked to guess any alphabet. If the random word contains that alphabet, it will be shown as the output(with correct placement) else the program will ask you to guess another alphabet. User will be given 12 turns(can be changed accordingly) to guess the complete word.

### **HARDWARE/SOFTWARE REQUIREMENTS:**

Anaconda Navigator,  
Jupyter Notebook

**FLOWCHART :**



### **CODE:**

```
import random
# library that we use in order to choose
# on random words from a list of words

name = input("What is your name? ")
# Here the user is asked to enter the name first

print("Good Luck ! ", name)

words = ['rainbow', 'computer', 'science', 'programming',
         'python', 'mathematics', 'player', 'condition',
         'reverse', 'water', 'board', 'geeks']

# Function will choose one random
# word from this list of words
word = random.choice(words)

print("Guess the characters")

guesses = ""

# any number of turns can be used here
turns = 12

while turns > 0:

    # counts the number of times a user fails
    failed = 0

    # all characters from the input
    # word taking one at a time.
    for char in word:

        # comparing that character with
        # the character in guesses
        if char in guesses:
            print(char)

        else:
```

```
print("_")

# for every failure 1 will be
# incremented in failure
failed += 1

if failed == 0:
    # user will win the game if failure is 0
    # and 'You Win' will be given as output
    print("You Win")

    # this print the correct word
    print("The word is: ", word)
    break

# if user has input the wrong alphabet then
# it will ask user to enter another alphabet
guess = input("guess a character:")

# every input character will be stored in guesses
guesses += guess

# check input with the character in word
if guess not in word:

    turns -= 1

    # if the character doesn't match the word
    # then "Wrong" will be given as output
    print("Wrong")

    # this will print the number of
    # turns left for the user
    print("You have", + turns, 'more guesses')

if turns == 0:
    print("You Loose")
```

## **OUTPUT:**

```
What is your name? jack
Good Luck ! jack
Guess the characters

-
-
-
-
-
-
guess a character:r
r
-
-
r
-
guess a character:e
r
e
-
e
r
-
e
guess a character:v
r
e
v
e
r
-
e
guess a character:s
r
e
v
e
r
s
e
You Win
The word is: reverse
```

## **CONCLUSIONS:**

WORD GUESSING GAME is created successfully using jupyter notebook.