

Final Assignment Report

BSc in Information management and information system

(2020)

MODULE: Data Mining

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4. Create **.zip**
A. Your J

5. Name your .zip file as your student numbers and names.
example: 0318021907632 0318021907633 Milan Nina(米兰 妮娜).zip

on paper 😊). In the game of Hangman, the p
game.

1. In Part 1, you will require to load

After completing part 1 and part 2 you will need to a

- Features:**

- Only let the user guess 7 times, and tell the user how many guesses the

- If user

- If the guess letter appear more than one time in the word display it.
 - Example: Word is "Apple" and user guess the word 'p' so -> **P P** __
 - Keep track of the letters the user guessed incorrectly. If the user guesses a letter they already guessed, don't penalize them - let them guess again.
 - Display some picture art for the Hangman. This is challenging - do the other parts of the exercise first!
 - When the player wins or loses, let them start a new game.
- Expected/Similar Output:**
- ```

Welcome to Hangman!

```

Game is not case

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_ _ _ _ _
What is your guess?: a

_ A _ _ _ A _ _ _ _

What is your guess?: g
Please chose just a letter: e
e is not in this word!

_ _ _ _ _
| _ _ _ |
| _ _ _ |

You have 6 guesses left!
your previous wrong guesses: ['E']

_ A _ _ _ A _ _ _ _

What is your guess?: e
You have already guessed e!

_ A _ _ _ A _ _ _ _

What is your guess?: h
h is not in this word!

_ _ _ _ _
| _ _ _ |
| _ _ _ |
| _ _ _ |
| _ _ _ |

You have 5 guesses left!
your previous wrong guesses: ['E', 'H']

_ A _ _ _ A _ _ _ _

What is your guess?: d
d is not in this word!

_ _ _ _ _
| _ _ _ |
| _ _ _ |
| _ _ _ |
| _ _ _ |

You have 4 guesses left!
your previous wrong guesses: ['E', 'H', 'D']

_ A _ _ _ A _ _ _ _

What is your guess?: b
b is not in this word!

_ _ _ _ _
| _ _ _ |
| _ _ _ |
| _ _ _ |
| _ _ _ |

You have 3 guesses left!
your previous wrong guesses: ['E', 'H', 'D', 'B']

_ A _ _ _ A _ _ _ _

What is your guess?: k

K A _ _ _ A _ _ _ _

What is your guess?: r

K A _ _ _ A R _ _ _

What is your guess?: t
t is not in this word!

_ _ _ _ _
| _ _ _ |
| _ _ _ |
| _ _ _ |
| _ _ _ |

You have 2 guesses left!
your previous wrong guesses: ['E', 'H', 'D', 'B', 'T']

K A _ _ _ A R _ _ _

What is your guess?: l
l is not in this word!

_ _ _ _ _
| _ _ _ |
| _ _ _ |
| _ _ _ |
| _ _ _ |

You have 1 guesses left!
your previous wrong guesses: ['E', 'H', 'D', 'B', 'T', 'L']

K A _ _ _ A R _ _ _

What is your guess?: p
p is not in this word!

_ _ _ _ _
| _ _ _ |
| _ _ _ |
| _ _ _ |
| _ _ _ |
| _ _ _ |

You have 0 guesses left!
You lose!
your previous wrong guesses: ['E', 'H', 'D', 'B', 'T', 'L',
The word was ['K', 'A', 'N', 'G', 'A', 'R', 'O', 'O']

Would you like to play again? [y|n]: n

```

```
Solution:

import random
import string
you can use more libraries if you want
people = ['''
|-----|
| |
| O
| |
| / \
| / \
| / \
| / \
| / \
| / \
|/ \
'''
, '''
|-----|
| |
| O
| |
| / \
| / \
| / \
| / \
| / \
| / \
|/ \
'''
, '''
|-----|
| |
| O
| |
| / \
| / \
| / \
| / \
| / \
| / \
|/ \
'''
]

word = ["academy", "shortcut", "fitness", "famous", "revolution", "politeness", "meaning", "diploma", "enjoyment", "ecosystem"]
number = ['0','1','2','3','4','5','6','7','8','9']

def chooseword():
 #Function: Select a word at random from the dictionary
 i = random.randint(0,len(word)-1)
 return word[i]

while 1:
 code = ""
 life = 7
 s=[]
 sl=""
 w = chooseword()
 word_right = []
 word_wrong = []
 right = []
 for i in w:
 i = i.upper()
 word_right.append(i)
 s.append("_")
 sl="".join(s)
 print("*****\n Welcome to Hangman!\n*****\nGuess one letter at a time\nGame is not case sensitive")
 print(sl,'\n')
 #print(word_right)
 while life>0 and code!="win":
 letter = ''
 letter = input("What is your guess?:")
 while letter in number:
 letter = input("Please chose just a letter:")
 letterl=letter.upper()
 if letterl in right:
 print("You have already guessed ",letter,'!')
 continue
 if letterl in word_right:
 right.append(letterl)
 for i in range(len(word_right)):
 if word_right[i]==letterl:
 s[i]=letterl
 if "_" not in s:
 code="win"
 print("".join(s))
 continue
 if letterl not in word_right:
 print(letter," is not in this word!")
 print(people[7-life])
 right.append(letterl)
 life = life -1
 if life==0:
 code="lose"
 print("\nYou have ",life," guesses left!")
 word_wrong.append(letterl)
 print("your previous wrong guesses:",word_wrong)
 continue
 if code=="win":
 print("You win!")
 print("The word was ",word_right)
 choose = input("Would you like to play again? [y/n]: ")
 choose = choose.upper()
 if choose=="Y":
 continue
 else:break
 if code=="lose":
 print("You lose!")
 print("The word was ",word_right)
 choose = input("Would you like to play again? [y/n]: ")
 choose = choose.upper()
 if choose=="Y":
 continue
 else:break

Welcome to Hangman!

Guess one letter at a time
Game is not case sensitive
_ _ _ _ _

What is your guess?:m
m is not in this word!

|-----|
| |
| O
| |
| / \
| / \
| / \
| / \
| / \
| / \
|/ \

You have 6 guesses left!
your previous wrong guesses: ['M']
What is your guess?:a
a is not in this word!

|-----|
| |
| O
| |
| / \
| / \
| / \
| / \
| / \
| / \
|/ \

You have 5 guesses left!
your previous wrong guesses: ['M', 'A']
What is your guess?:c
C
What is your guess?:e
```

```

What is your guess?:h
SH C
What is your guess?:o
SHO C
What is your guess?:r
SHOR C
What is your guess?:t
SHORTC T
What is your guess?:u
SHORTCUT

```