HANGMAN SPELLING TEST

Assessment 4

DECEMBER 8, 2023

SARINA SAIYED

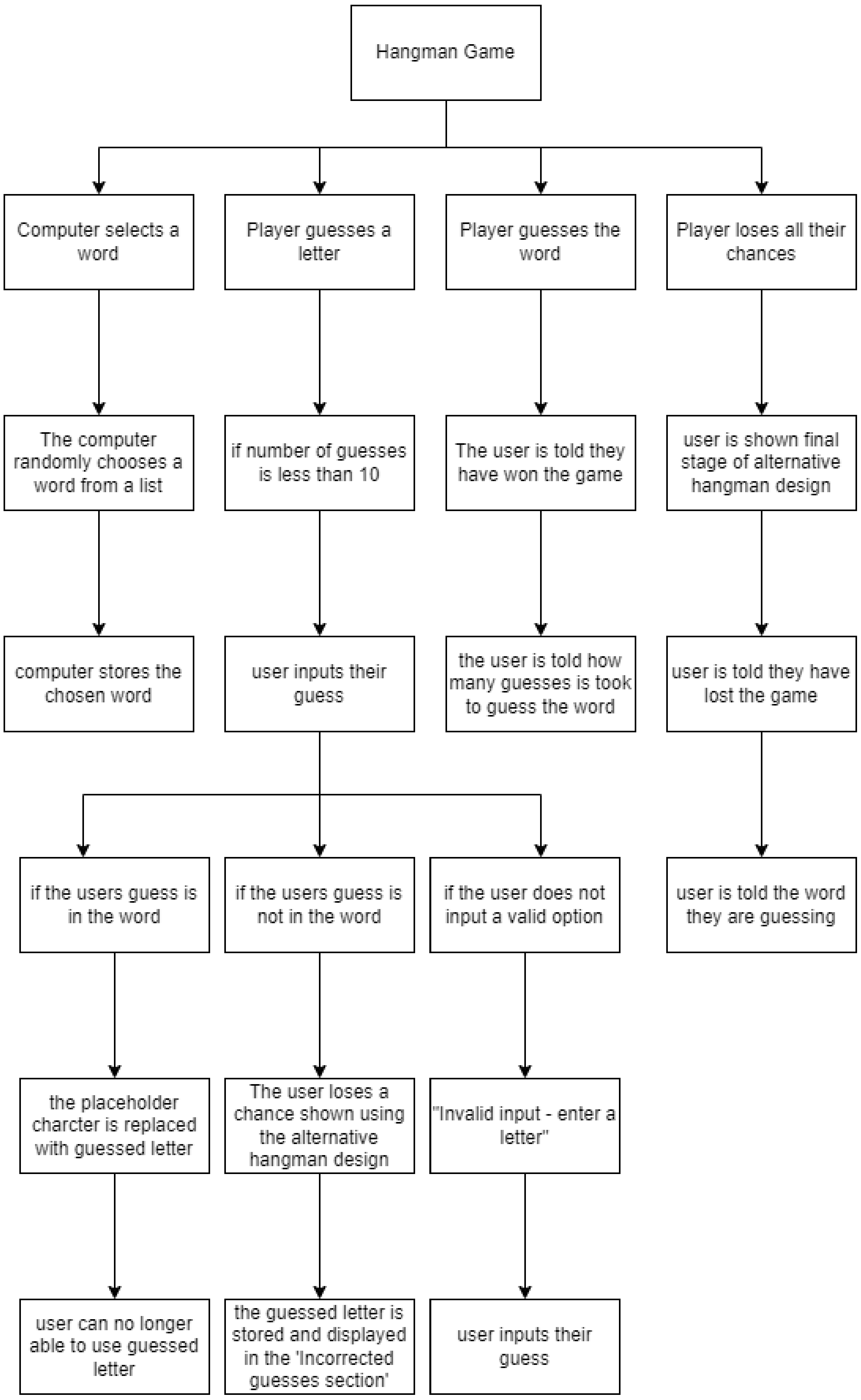
Requirements

- The game and word content must be appropriate for students of upper primary school age (8-10)
- An alternative to the traditional hangman should be considered.
- The game is for a single player only.
- The player must be informed whether they have won or not.
- Each time a letter has been chosen, you should not be able to choose it again.
- The player should get no more than 10 chances to guess the word correctly

Stepwise refinement

1. The computer is given a list of spelling words to choose from
    a. The computer randomly chooses a word from the list: [addition, breath, central, decorator, earthquake, fraction, guess, ignore, judge, kept, ledge, mention, narrate, often, palm, royal, shear, trouble, understand, vocal, wander]
    b. The computer stores the word
2. The game will begin for the user
3. The user is met with a screen containing:
    a. The alterative hangman design (Daisy flower hangman)
    b. The computer will output the number of characters in the randomly generated word
    c. An empty section, titled, 'Incorrect Guesses'
4. The user is told that they only have 10 chances to guess the word correctly and to only use the characters between a – z
    a. While the number of guesses is less than 10 and the user has not won:
    b. The user will enter a character, once
    c. That input character will be compared with all the characters in the random word
    d. If the letter that the user has inputted is in the random word
        i. The alternative hangman design is remained the same
        ii. The associated placeholder character is replaced with the input guess
        iii. The 'Incorrect Guesses' section remains the same
        iv. The user is no longer allowed to use the character
    e. If the letter the user has inputted is not in the random word
        i. The user loses a chance
            1. The alternative hangman design 'loses a limb' (A petal falls off)
        ii. The associated placeholder character remains the same
        iii. The input character is stored and displayed in the 'Incorrect Guesses' section
        iv. The user is no longer able to use the character again
5. If the random word is guessed correctly
    a. Output a message stating that the user has won the game
    b. Print the amount of guesses it took for the user to guess the word correctly
6. If the number of guesses is more than 10
    a. Display the final stage of the alternative hangman design (dead flower head)
    b. Output a message that states the user has lost the game
    c. Print the random word

Structure diagram



Hangman Game
Computer selects a word
Player guesses a letter
Player guesses the word
Player loses all their chances
The computer randomly chooses a word from a list
if number of guesses is less than 10
The user is told they have won the game
user is shown final stage of alternative hangman design
computer stores the chosen word
user inputs their guess
the user is told how many guesses is took to guess the word
user is told they have lost the game
if the users guess is in the word
if the users guess is not in the word
if the user does not input a valid option
user is told the word they are guessing
the placeholder charcter is replaced with guessed letter
The user loses a chance shown using the alternative hangman design
"Invalid input - enter a letter"
user can no longer able to use guessed letter
the guessed letter is stored and displayed in the 'Incorrected guesses section'
user inputs their guess

Pseudocode:

(hangman base)

```
IMPORT random


SPELLINGWORDS = [addition, breath, central, decorator, earthquake, fraction, guess, ignore,
judge, kept, ledge, mention, narrate, often, palm, royal, shear, trouble, understand, vocal,
wander]


Index = RANDINT (0, LEN(SPELLINGWORDS)-1)

Word = SPELLINGWORDS[Index]

Correct = []

Incorrect = []


DEF has_won():

Won = TRUE

FOR chr in word:

IF chr not in correct:

won = FALSE

ENDIF

ENDFOR LOOP

RETURN won


WHILE LEN(incorrect)  < 10 AND not has_won():

        FOR chr in word:

                IF chr in correct:

                        PRINT(chr, end=" ")

                ELSE:

                        PRINT ("_", end=" ")

                ENDIF

        ENDFOR LOOP

        PRINT("Incorrect:"," ".join(incorrect))
        PRINT("You only have ", 10 –LEN(incorrect), “lives left”)

        Guess = INPUT(“Enter a guess: ”)

        WHILE not LEN(guess) ==  1 AND guess.isalpha():

                PRINT(“Invalid guess – enter a single letter”)

                Guess =  INPUT(“Enter a guess: ”)

        ENDWHILE LOOP


        IF guess in word:

                IF guess not in correct:

                        Incorrect.append(guess)

                ENDIF

        ELSE:

IF guess not in incorrect:

incorrect.append(guess)

ENDIF

        ENDIF

ENDWHILE LOOP



IF has_won():

        PRINT(“You’ve guessed the correct word and it only took”, 10 – LEN(incorrect), “tries !!”)

ELSE:

        PRINT(“Out of tries, the word you were guessing was”, word, “try again next time”)


ENDIF
```

Code

```
# program: Hangman game.py

# author: Sarina Saiyed

# email: 2338323@students.carmel.ac.uk

# student number: 2338323

#

# You have been asked to work on the first episode of the game

# which is a modern take on the game of Hangman.

#

# The publisher has sent you some requirements:

#   The game and word content must be appropriate for students of upper
primary school age (8-10)

#   An alternative to the traditional hangman should be considered.

#   The game is for a single player only.

#   The player must be informed whether they have won or not.

#   Each time a letter has been chosen, you should not be able to choose
it again.

#   The player should get no more than 10 chances to guess the word
correctly.


########################################################################

# Design


# The computer is given a list of spelling words to choose from

# The computer randomly chooses a word from the list:

#       [addition, breath, central, decorator, earthquake, fraction,

#       guess, ignore, judge,kept, ledge, mention, narrate, often, palm,

#       royal, shear, trouble, understand, vocal, wander]

# The computer stores the word

# The game will begin for the user
# The user is met with a screen containing:
# The alterative hangman design (Daisy flower hangman)
# The computer will output the number of characters in the randomly generated word
# An empty section, titled, ‘Incorrect Guesses’
# The user is told that they only have 10 chances to guess the word correctly and
#   to only use the characters between a – z
# While the number of guesses is less than 10 and the user has not won
# The user will enter a character, once
# That input character will be compared with all the characters in the random word
# If the letter that the user has inputted is in the random word
# The alternative hangman design is remained the same
# The associated placeholder character is replaced with the input guess
# The ‘Incorrect Guesses’ section remains the same
# The user is no longer allowed to use the character
# If the letter the user has inputted is not in the random word
# The user loses a chance
# The alternative hangman design ‘loses a limb’ (A petal falls off)
# The associated placeholder character remains the same
# The input character is stored and displayed in the ‘Incorrect Guesses’ section
# The user is no longer able to use the character again
# If the random word is guessed correctly
# Output a message stating that the user has won the game
# Print the amount of guesses it took for the user to guess the word correctly
# If the number of guesses is > 10
# Display the final stage of the alternative hangman design (dead flower head)
# Output a message that states the user has lost the game
# Print the random word
```

```
##########################################################################
# Pseudocode
#
# IMPORT random
#
# SPELLINGWORDS = [addition, breath, central, decorator,
earthquake, fraction, guess, ignore, judge, kept, ledge, mention, narrate,
often, palm, royal, shear, trouble, understand, vocal, wander]
#
# Index = RANDINT (0, LEN(SPELLINGWORDS)-1)
# Word = SPELLINGWORDS[Index]
# Correct = []
# Incorrect = []
#
# DEF has_won():
#     Won = TRUE
#     FOR chr in word:
#           IF chr not in correct:
#                 won = FALSE
#           ENDIF
#     ENDFOR LOOP
#     RETURN won
#
# WHILE LEN(incorrect)  < 10 AND not has_won():
#       FOR chr in word:
#           IF chr in correct:
#               PRINT(chr, end=" ")
#           ELSE:
#               PRINT ("_", end=" ")
#           ENDIF
#       ENDFOR LOOP
#       PRINT("Incorrect:"," ".join(incorrect))
#       PRINT("You only have ", 10 -LEN(incorrect), "lives left")
#       Guess = INPUT("Enter a guess: ")
#       WHILE not LEN(guess) ==  1 AND guess.isalpha():
#           PRINT("Invalid guess – enter a single letter")
#           Guess =  INPUT("Enter a guess: ")
#       ENDWHILE LOOP
#
#       IF guess in word:
#           IF guess not in correct:
#               Correct.append(guess)
#           ENDIF
#       ELSE:
#           IF guess not in Incorrect:
#           Incorrect.append(guess)
#         ENDIF
#       ENDIF
# ENDWHILE LOOP
#
#
# IF has_won():
#       PRINT("You've guessed the correct word and it only took", 10 –
LEN(incorrect), "tries !!")
# ELSE:
#       PRINT("Out of tries, the word you were guessing was", word, "try
again next time")
#
# ENDIF

##########################################################################
# Variables

# list SPELLINGWORDS
# int Index
# str Word
# list Correct

# list Incorrect

# int tries

# bool Won

# str Guess



########################################################################

# Functions


# display

# has_won


########################################################################

# Main


import random # Imports the libriary that allows randomisation



SPELLINGWORDS =
['addition','breath','central','decorator','earthquake','fraction','guess'
,'ignore','judge','kept','ledge','mention','narrate','often','palm','royal
','shear','trouble','understand','vocal','wander']

#constant, list of spelling words


Index = random.randint(0, len(SPELLINGWORDS)-1) # choses a random number
between 0 and the last number of items in spelling words

Word = SPELLINGWORDS[Index] # uses the random number as a index and picks
a random word from list


Correct = [] # empty list to later on store the correct guesses of user

Incorrect = []# empty list to later store the incorrect guesses of user

tries = 10 # allows the user to see how many tries they have using the
flower visuals
```

```
def display(tries): # funtion that calls the stages of the hangman visuals
depending on how many times the user has

    # incorrectly guessesd

    stages = ["""










                    .-=====-.

                  -+=-------=+-

                 +=-----------=+

                :+-------------+-

                ==-------------==

                .*-------------*.

                 :+----------=+:

                   -=+==-==+=-

                      .:::.








""",

              """
```

```
                      ::::
                     .:  :.
                     -    -
                     -    -
                     -    -
                     -    -
                     -    -
                     =:--:+
                  :=++=---=++=.
                .++-----------+=
                *=-------------+=
               :+---------------#
               -+---------------#
                *=-------------+=
                .+=-----------+=
                  :=++=---=++=.
                     .:---:.









""",
              """

                       -:-
                      -   -
                      -   -
      ::::           .:    :.
      -   .:::       -    .:
       ::     .::    -    .:
        .::       ::. :.   :.
           ::.     .::=---+:
             .::.  =++=----=+=:
                .+*----------=+
                :*------------=*
                +=-------------*:
                ==-------------#
                 *=-----------+=
                  =+---------=+:
                    -=++++++=:





""",
              """        :
                       .- -.
                       -   -
                       -   -
        -...::.       .:   :
        .-    .::.    .:   :.
          ::      ::  .:   -
            .:.     .:.=.::=
              .::.  :=++====++-
                 .:*=----------+-
```

```
    .::.:.........*=------------+-
   -.             *--------------*
    .::::....:...:*-------------=+
                  :+-----------=*.
                   .=+=-------+-
                      :-===--:




""",
              """
                       -::
                      -  .:
                      -   -
      .:::.          .:    -
      :.  .:::.      :     :.
       .:      .::   -     :.
         ::.      .:. :.   -
           .::     .:-+---+:
              :::..=+=-----=+=-
        .....:...=*-----------=+
  :::....       :*-------------=+
::             ==--------------#
   .::::::.:---:=*--------------*
       .::..    =+-----------=*.
    .::        ::::++-------=+=
  .:.     ..::.    .-=====-:
  ::..::::.
```

```
""",
              """

                        :::
                       -  ::
                       -   -
        :.::.         .:   -
        ::   .::.     ..   -
         .:.    .::   :.   -
           .:.     .:..:   -
              ::.    -=+===+=-
                .::-+=--------=+=
      .:::......:=+-----------=*
   .:.            *-------------+-
    :..........:::*-------------==
          .:::.   ==------------*
       .::.      .-++=--------++.
     ::      ..::-.  -=+++++=-.
    ::.....::. .:    .:
              :.    :.
             -.   ::
            :.  ::.
            ::::
```

```
""",

              """

                         :::
                        :. .:
                        -   -
          :...:.        -   -
          .:    .:.     -   -
            ::     .:.  -   -
              ::.    .:.-.::=
                .::. .-++====+=-
            ........++----------+.
      .:.....      -+------------*
     .-.           +-------------+:
        ..:.::---::-+------------*
          ::..      ++---------=+.
       .:.      ..:-. -=+===++=:
      .:  ....:. ::    -= .. -
       ...      :.   .: -    -
               -    :.  -    -
              -   ::    .:  :.
              :::.       -  -
                         .::



""",
              """
                     .::.
                     -  -
                     :  .:
       ::..::.      :.   -
        :.   .::.   :    -
         .:.    .:: :.   -
            ::.    :-=--==:
              .:.:=+=-----=+-
     ...........:*----------=+
   :.           +------------==
   .:........:::*------------=-
        .:...   .*----------=*
     .::.      .--=+=-----=+-..:.
    :.    ...:.:    =+---+-.    .::
    ...:..   ::    : -   -  ::.    ::
            :.   :.  -   -    .:..   :
           :.  .:    -   -        ....
           :..:      .. .:
                      :.:


""",
              """
                       :::
                      :.  -
                      -   -
       :.::.          -   :.
       :.   :::.      :   .:
        ::     .::    :   .:
          ::.     ::. -   :.
            .::     :=+===+-:
               .:::++-------=+=.
      .::::.::::-*-------------*.
  .:..           *--------------*.:..:.::::.
  .:....      ..:#--------------*           .::
       ...:--::. +=------------+-        ...::
      .::.       :#+----------++-::::.:..
    ::.      .::-: .=++====++-   .::
   -.   ...:.. :.    -=.:..-::.     ::.
    ::..     .:    .: -    -  .::     .:
            ::    :.  -    -     .::.   -
           .:   ::    :    -         .:::
           -..:.       -  :.
                       ::.:
                         .


""",
              """


                      .-::
                      -  :.
                     .:   -
      :::.           -    -
      -   .::.       -    -
       :.     ::.    -    -
        .::      ::  -    -              .:::.
           ::.     ::-----+.       .:::...   =
             .::. .=++-----=+=. :::.       ::
          .......++-----------++       .::.
  :::::.........=+-------------== ..:::
=              *---------------#-:.......::::.
  .::::....:---:*=-------------=*            .-
       .::..     *=-----------=#-....:..:.:::.
    .::.       .:==+=--------+=.::.
  ::.      .:::-:   -+++++=*+     .::
```

```
  -...::::. .:    -.-    -.::      ::
            ::    .:  -    -   .::     ::
           :.    :.   -    -      .::.. ::
          ::   ::     =   :.          ...
          -:::.       :.  -
                       -.-.


""",
              """

                       ::.
                      :. :.
                      -   -     .::
        .:.:.         -   -   .:. :.
        .:   ..:.     :   -  .:   .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
      =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::
```

```
                """]

    return stages[tries] # returns the certain visual depending on what
number tries is on




def has_won(): # function that is carried out if player has guessed the
word

    Won = True #won is initally set to true

    for ch in Word: # for loop will check each character in the chosen
spelling word

        if ch not in Correct: #if that character is not in the list
Correct

            Won = False # set to false untill all characters are in the
list


    return Won # return won when all characters in list (won set to true)




while len(Incorrect) < 10 and not has_won(): # main game

    print("Let's play hangman !!") # while loop continues until length on
incorrect list exceeds 10 and if the user has won

    for ch in Word:

        if ch in Correct:

            print(ch, end=" ") #replaces _ with guessed character in the
word

        else: # end=' ' allows for a space after the characters

            print ("_", end=" ") #as the initial list for correct is empty
that characters in the word are replaced with _


    print(display(tries)) #displays which current life they are on shown
with flower and fallen petals

    print() # space
    print("Incorrect:"," " .join(Incorrect)) # incorrect guesses are shown
here, joins the list in incorrect

    print("You only have ", 10 - len(Incorrect), ("lives left")) # give a
numeric visual of how many lives they have left



    Guess = input("Enter a guess: ").lower() # allows the user to input
their guess

    while not len(Guess) ==  1 or not Guess.isalpha(): # whille loop, if
the guess is more than 1 character and is anything

                                                        #but a letter

        print("Invalid guess - enter a single letter") #outputs what they
did wrong

        Guess =  input("Enter a guess: ").lower() # allows user to input
their guess again

        # loop will end when correct character is inputted



    if Guess in Word: # if the users guess is spelling word

        if Guess not in Correct: # only appends the guess if the guess
hasnt been used

            Correct.append(Guess)  # adds the users guess into the correct
list

        else:

            print()

            print("== Dont repeat letters== ")


    else: # is the guess is not in the word

        if Guess not in Incorrect: # appends the list Incorrect is guess
is not in list

            Incorrect.append(Guess) # adds the users guess in to the
Incorrect list

            tries = tries - 1 #tries is decreased by one allowing the
visul display to change

        else:
            print()

            print("== Dont repeat letters ==")



if has_won(): #when won = true

    print("You’ve guessed the correct word and it only took",
len(Incorrect)+len(Correct), "tries !!") # user is told they are won

    # and how many tries it took for them to guess the word

    print(Word)# the word without the spaces are printed for the user to
see


else:

    print(display(0)) #displays index 0 showing a visual display that the
user has lost and did not win the game

    print("Out of tries, the word you were guessing was","'" +Word+"'",
"try again next time") #tells user they have lost and what the word they
were guessing is
```

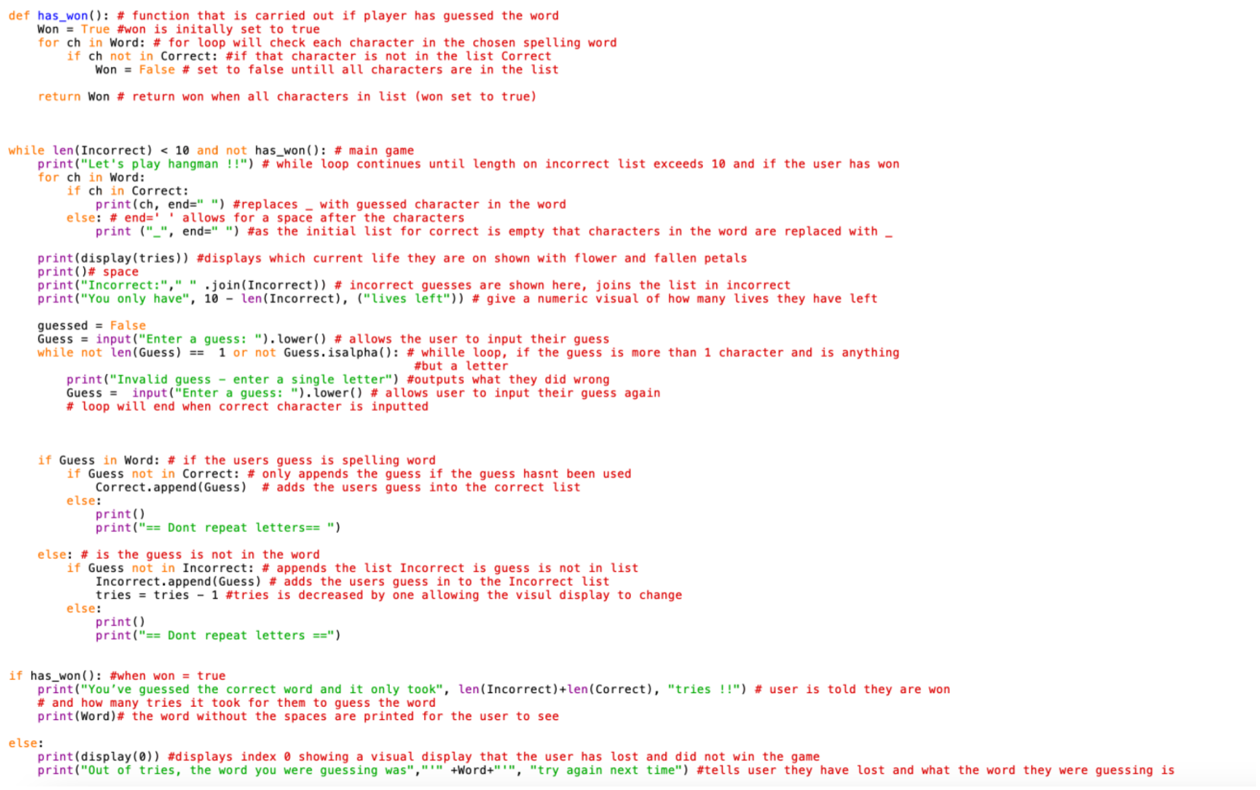
Screenshots

```
# program: Hangman game.py
# author: Sarina Saiyed
# email: 2338323@students.carmel.ac.uk
# student number: 2338323
#
# You have been asked to work on the first episode of the game
# which is a modern take on the game of Hangman.
#
# The publisher has sent you some requirements:
#   The game and word content must be appropriate for students of upper primary school age (8-10)
#   An alternative to the traditional hangman should be considered.
#   The game is for a single player only.
#   The player must be informed whether they have won or not.
#   Each time a letter has been chosen, you should not be able to choose it again.
#   The player should get no more than 10 chances to guess the word correctly.

##########################################################################
# Design

# The computer is given a list of spelling words to choose from
# The computer randomly chooses a word from the list:
#       [addition, breath, central, decorator, earthquake, fraction,
#       guess, ignore, judge,kept, ledge, mention, narrate, often, palm,
#       royal, shear, trouble, understand, vocal, wander]
# The computer stores the word
# The game will begin for the user
# The user is met with a screen containing:
# The alterative hangman design (Daisy flower hangman)
# The computer will output the number of characters in the randomly generated word
# An empty section, titled, 'Incorrect Guesses'
# The user is told that they only have 10 chances to guess the word correctly and
#   to only use the characters between a – z
# While the number of guesses is less than 10 and the user has not won
# The user will enter a character, once
# That input character will be compared with all the characters in the random word
# If the letter that the user has inputted is in the random word
# The alternative hangman design is remained the same
# The associated placeholder character is replaced with the input guess
# The 'Incorrect Guesses' section remains the same
# The user is no longer allowed to use the character
# If the letter the user has inputted is not in the random word
# The user loses a chance
# The alternative hangman design 'loses a limb' (A petal falls off)
# The associated placeholder character remains the same
# The input character is stored and displayed in the 'Incorrect Guesses' section
# The user is no longer able to use the character again
# If the random word is guessed correctly
# Output a message stating that the user has won the game
# Print the amount of guesses it took for the user to guess the word correctly
# If the number of guesses is > 10
# Display the final stage of the alternative hangman design (dead flower head)
# Output a message that states the user has lost the game
# Print the random word

##########################################################################
# Pseudocode
```

```
#
# IMPORT random
#
# SPELLINGWORDS = [addition, breath, central, decorator, earthquake, fraction, guess, ignore, judge, kept, ledge, mention, narrate, often, palm, royal, shear, trouble, unders
#
# Index = RANDINT (0, LEN(SPELLINGWORDS)-1)
# Word = SPELLINGWORDS[Index]
# Correct = []
# Incorrect = []
#
# DEF has_won():
#       Won = TRUE
#       FOR chr in word:
#               IF chr not in correct:
#                       won = FALSE
#               ENDIF
#       ENDFOR LOOP
#       RETURN won
#
# WHILE LEN(incorrect)  < 10 AND not has_won():
#       FOR chr in word:
#           IF chr in correct:
#               PRINT(chr, end=" ")
#           ELSE:
#               PRINT ("_", end=" ")
#           ENDIF
#       ENDFOR LOOP
#       PRINT("Incorrect:"," ".join(incorrect))
#       PRINT("You only have ", 10 –LEN(incorrect), "lives left")
#       Guess = INPUT("Enter a guess: ")
#       WHILE not LEN(guess) ==  1 AND guess.isalpha():
#           PRINT("Invalid guess – enter a single letter")
#           Guess =  INPUT("Enter a guess: ")
#       ENDWHILE LOOP
#
#       IF guess in word:
#           IF guess not in correct:
#               Correct.append(guess)
#           ENDIF
#       ELSE:
#           IF guess not in Incorrect:
#               Incorrect.append(guess)
#           ENDIF
#       ENDIF
# ENDWHILE LOOP
#
#
# IF has_won():
#       PRINT("You've guessed the correct word and it only took", 10 – LEN(incorrect), "tries !!")
# ELSE:
#       PRINT("Out of tries, the word you were guessing was", word, "try again next time")
#
# ENDIF

########################################################################
# Variables
# display
# has_won

########################################################################
# Main

import random # Imports the libiary that allows randomisation


SPELLINGWORDS = ['addition','breath','central','decorator','earthquake','fraction','guess','ignore','judge','kept','ledge','mention','narrate','often','palm','royal','shear',
#constant, list of spelling words

Index = random.randint(0, len(SPELLINGWORDS)-1) # choses a random number between 0 and the last number of items in spelling words
Word = SPELLINGWORDS[Index] # uses the random number as a index and picks a random word from list

Correct = [] # empty list to later on store the correct guesses of user
Incorrect = []# empty list to later store the incorrect guesses of user
tries = 10 # allows the user to see how many tries they have using the flower visuals

def display(tries): # funtion that calls the stages of the hangman visuals depending on how many times the user has
    # incorrectly guessesd
    stages = ["""







                    .-=====-.
                  -+=-------=+-
                 +=-----------=+
                :+-------------+-
                ==-------------==
                .*-------------*.
                 :+----------=+:
                   -=+==-==+=-
                      .:::.








""",
              """
                      ::::
                     .:  :.
                     -    -
                     -    -
                     -    -
                     -    -
                     -    -
                     =:--:+






                   :=++=---=++=.
                 .++-----------+=
                 *=-------------+=
                :+---------------#
                -+---------------#
                 *=-------------+=
                 .+=-----------+=
                   :=++=---=++=.
                      .:---:.








""",
               """
                        -:-
                       -   -
                       -   -
       ::::           .:   :.
       -   .:::       -    .:
        ::     .::    -    .:
         .::      ::. :.   :.
            ::.     .::=---+:
              .::.  =++=----=+=:
                 .+*-----------=+
                 :*-------------=*
                 +=--------------*:
                 ==--------------#
                  *=------------+=
                   =+---------=+:
                     -=++++++=:
```

```
""",
              """        :
                       .- -.
                       -   -
                       -   -
        -...::.       .:   :
        .-    .::.    .:   :.
          ::      ::  .:   -
            .:.     .:.=.::=
              .::.  :=++====++-
                 .:*=----------+-
    .::.:.........*=------------+-
   -.             *--------------*
    .::::....:...:*-------------=+
                  :+-----------=*.
                   .=+=------=+-
                      :-===--:



""",
              """
                       -::
                      -  .:
                      -   -
      .:::.          .:   -
      :.  .:::.      :    :.
       .:     .::    -    :.
         ::.     .:. :.   -
           .::     .:-+---+:
              :::..=+=-----=+=-
        .....:...=*-----------=+
  :::....       :*-------------=+
 ::             ==--------------#
   .::::::.:---:=*--------------*
       .::..     =+-----------=*.
    .::        ::::++-------=+=
  .:.     ..::.     .-=====-:
  ::..::::.



""",
              """



                       :::
                      -  ::
                      -  -
        :.::.        .:  -
        ::  .::.     ..  -
         .:.   .::   :.  -
          .:.     .:..:  -
             ::.    -=+===+=-
               .::-+=-------=+=
      .:::......:=+----------=*
   .:.           *------------+-
    :.........:::*------------==
          .:::.  ==-----------*
       .::.     .-++=-------++.
     ::     ..::-.  -=+++++=-.
    ::.....::. .:   .:
             :.    :.
            -.   ::
           :.  ::.
           ::::


""",
             """
                        :::
                       :. .:
                       -   -
          :...:.       -   -
          .:   .:.     -   -
           ::     .:.  -   -
             ::.    .:.-.::=
               .::. .-++====+=-
           ........++---------+.
      .:.....     -+-----------*
     .-.          +------------+:
       ..:.::---::-+-----------*
          ::..     ++--------=+.
       .:.     ..:-. -=+===++=:
      .:  ....:. ::    -= .. -
       ...     :.   .: -   -
              -    :.  -   -
             -   ::    .: :.
             :::.       - -
                        .::

""",
             """
```

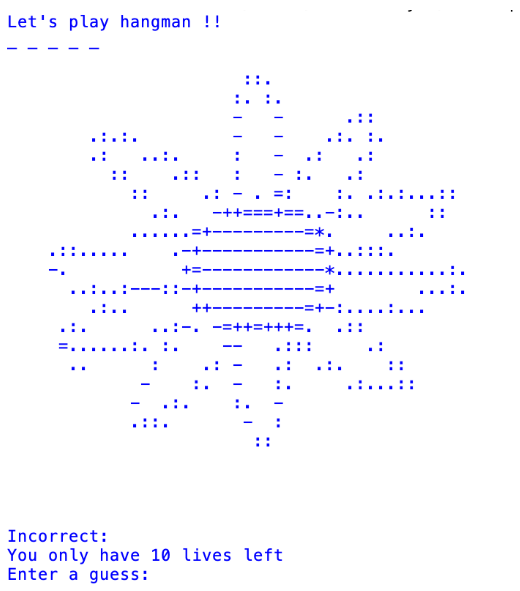
```
                      .::.
                      -   -
                      :   .:
       ::..::.       :.    -
        :.    .::.   :     -
         .:.     .:: :.    -
             ::.    :-=--==:
               .:.:=+=------=+-
     ............:*-----------=+
   :.            +-------------==
   .:.........:::*-------------=-
        .:...    .*-----------=*
     .::.       .--=+=------=+-..:.
    :.    ...:.:     =+---+-.     .::
    ...:..    ::    : -    -  ::.     ::
             :.   :.  -    -    .:..    :
            :.  .:    -    -        ....
            :..:      ..  .:
                       :.:

""",
              """
                       :::
                      :.  -
                      -   -
       :.::.          -   :.
       :.   :::.      :   .:
        ::     .::    :   .:
          ::.     ::. -   :.
            .::     :=+===+-:
               .:::++-------=+=.
      .:::::.::::-*------------*.
  .:..           *--------------*.:..:.::::.
  .:....      ..:#--------------*           .::
       ...:--::. +=------------+-       ...::
      .::.       :#+----------++-::::.:..
    ::.      .::-: .=++====++-   .::
   -.   ...:.. :.    -=.:..-::.     ::.
    ::..     .:    .: -    -  .::     .:
            ::    :.  -    -     .::.   -
           .:   ::    :    -         .:::
           -..:.       -  :.
                       ::.:
                         .

 """,
              """


                      .-::
                      -  :.
                     .:   -
      :::.           -    -
      -   .::.       -    -
       :.     ::.    -    -
        .::      ::  -    -              .:::.
           ::.     ::-----+.       .:::...   =
             .::. .=++-----=+=. ::.        ::
          .......++-----------++       .::.
  :::::.........=+-------------== ..:::
 =              *---------------#-:.......::::.
  .::::....:---:*=-------------=*            .-
       .::..     *=-----------=#-....:..:.:::.
    .::.       .:==+=--------+=.::.
  ::.      .:::-:   -+++++=*+     .::
  -...::::.  .:     -.-    -.::      ::
            ::    .:  -    -   .::     ::
           :.    :.   -    -      .::.. ::
          ::   ::     =   :.          ...
          -:::.       :.  -
                       -.-.

""",
              """
                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:   .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..     ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*..........:.
      ..:..:---::-+-----------=+       ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::


                """]
    return stages[tries] # returns the certain visual depending on what number tries is on
```



```python
def has_won(): # function that is carried out if player has guessed the word
    Won = True #won is initally set to true
    for ch in Word: # for loop will check each character in the chosen spelling word
        if ch not in Correct: #if that character is not in the list Correct
            Won = False # set to false untill all characters are in the list

    return Won # return won when all characters in list (won set to true)


while len(Incorrect) < 10 and not has_won(): # main game
    print("Let's play hangman !!") # while loop continues until length on incorrect list exceeds 10 and if the user has won
    for ch in Word:
        if ch in Correct:
            print(ch, end=" ") #replaces _ with guessed character in the word
        else: # end=' ' allows for a space after the characters
            print ("_", end=" ") #as the initial list for correct is empty that characters in the word are replaced with _

    print(display(tries)) #displays which current life they are on shown with flower and fallen petals
    print()# space
    print("Incorrect:"," " .join(Incorrect)) # incorrect guesses are shown here, joins the list in incorrect
    print("You only have", 10 - len(Incorrect), ("lives left")) # give a numeric visual of how many lives they have left

    guessed = False
    Guess = input("Enter a guess: ").lower() # allows the user to input their guess
    while not len(Guess) ==  1 or not Guess.isalpha(): # whille loop, if the guess is more than 1 character and is anything
                                                        #but a letter
        print("Invalid guess - enter a single letter") #outputs what they did wrong
        Guess =  input("Enter a guess: ").lower() # allows user to input their guess again
        # loop will end when correct character is inputted



    if Guess in Word: # if the users guess is spelling word
        if Guess not in Correct: # only appends the guess if the guess hasnt been used
            Correct.append(Guess)  # adds the users guess into the correct list
        else:
            print()
            print("== Dont repeat letters== ")

    else: # is the guess is not in the word
        if Guess not in Incorrect: # appends the list Incorrect is guess is not in list
            Incorrect.append(Guess) # adds the users guess in to the Incorrect list
            tries = tries - 1 #tries is decreased by one allowing the visul display to change
        else:
            print()
            print("== Dont repeat letters ==")


if has_won(): #when won = true
    print("You’ve guessed the correct word and it only took", len(Incorrect)+len(Correct), "tries !!") # user is told they are won
    # and how many tries it took for them to guess the word
    print(Word)# the word without the spaces are printed for the user to see

else:
    print(display(0)) #displays index 0 showing a visual display that the user has lost and did not win the game
    print("Out of tries, the word you were guessing was","'" +Word+"'", "try again next time") #tells user they have lost and what the word they were guessing is
```

Testing

Start screen



```
Let's play hangman !!
_ _ _ _ _
                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:   .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::


Incorrect:
You only have 10 lives left
Enter a guess:
```

Valid input

```
Let's play hangman !!
_ _ _ a _

                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:   .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::



Incorrect:
You only have 10 lives left
Enter a guess: |
```

Input repeat (capital)

```
Incorrect: a
You only have 9 lives left
Enter a guess: A

== Dont repeat letters ==
Let's play hangman !!
_ _ _ _

                      .-::
                      -  :.
                     .:   -
      :::.           -    -
      -   .::.       -    -
       :.     ::.    -    -
        .::      ::  -    -              .:::.
           ::.     ::-----+.       .:::...   =
             .::. .=++-----=+=. :::.       ::
          .......++-----------++       .::.
  :::::.........=+-------------== ..:::
 =              *---------------#-:........::::.
  .::::....:---:*=-------------=*            .-
       .::..     *=-----------=#-....:..:.:::.
    .::.       .:==+=--------+=.::.
  ::.      .:::-:   -+++++=*+     .::
  -...::::.  .:     -.-    -.::      ::
            ::    .:  -    -   .::     ::
           :.    :.   -    -      .::.. ::
          ::   ::     =   :.          ...
          -:::.       :.  -
                       -.-.



Incorrect: a
You only have 9 lives left
Enter a guess:
```

Input repeat

```
Incorrect: a
You only have 9 lives left
Enter a guess: a

== Dont repeat letters ==
Let's play hangman !!
_ _ _ _

                      .-::
                      -  :.
                     .:   -
      :::.           -    -
      -   .::.       -    -
       :.    ::.     -    -
        .::      ::  -    -              .:::.
           ::.     ::-----+.       .:::...   =
             .::. .=++-----=+=. :::.       ::
          .......++------------++      .::.
  :::::.........=+-------------== ..:::
 =              *---------------#-:........::::.
  .::::....:---:*=-------------=*            .-
       .::..     *=-----------=#-....:..:.:::.
    .::.       .:==+=--------+=.::.
  ::.      .:::-:   -+++++=*+     .::
  -...::::.  .:     -.-    -.::      ::
            ::    .:  -    -   .::     ::
           :.    :.   -    -      .::.. ::
          ::   ::     =   :.          ...
          -:::.       :.  -
                       -.-.


Incorrect: a
You only have 9 lives left
Enter a guess:
```

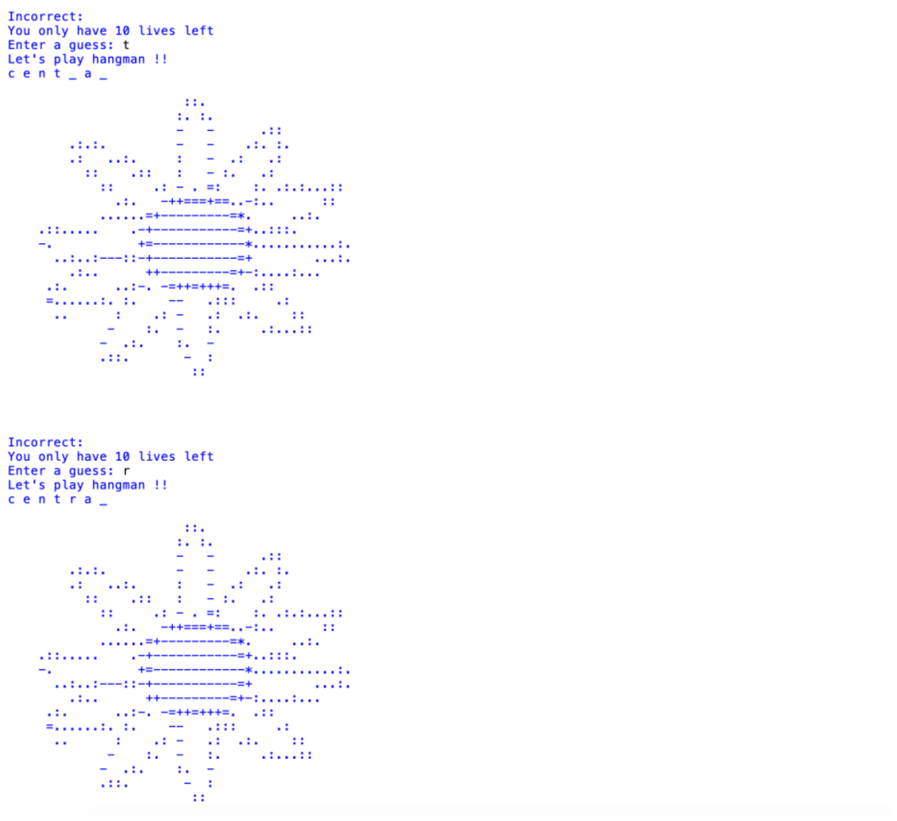
Correct input full play

```
Let's play hangman !!
_ _ _ _ _ _ _

                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:   .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::


Incorrect:
You only have 10 lives left
Enter a guess: a
Let's play hangman !!
_ _ _ _ _ _ a _

                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:   .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::
```

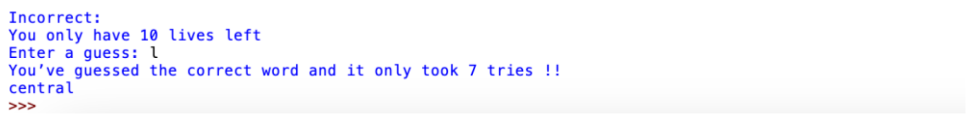
```
Incorrect:
You only have 10 lives left
Enter a guess: e
Let's play hangman !!
_ e _ _ _ a _

                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:    .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::
```

```
Incorrect:
You only have 10 lives left
Enter a guess: c
Let's play hangman !!
c e _ _ _ a _


                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:    .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::
```

```
Incorrect:
You only have 10 lives left
Enter a guess: n
Let's play hangman !!
c e n _ _ a _

                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:    .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::
```

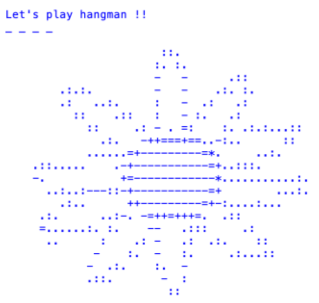


```
Incorrect:
You only have 10 lives left
Enter a guess: t
Let's play hangman !!
c e n t _ a _

                        ::.
                      :. :.
                      -    -      .::
        .:.:.         -    -    .:. :.
        .:   ..:.     :    -  .:   .:
          ::    .::   :    - :.   .:
            ::      .: - .  =:    :. .:.:...::
              .:.   -++===+==..-:..       ::
            ......=+---------=*.      ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=-------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.   .::
     =......:. :.    --    .:::     .:
      ..      :     .: -   .:  .:.    ::
             -    :.  -    :.     .:...::
            -  .:.    :.   -
            .::.       -   :
                         ::


Incorrect:
You only have 10 lives left
Enter a guess: r
Let's play hangman !!
c e n t r a _

                        ::.
                      :. :.
                      -    -      .::
        .:.:.         -    -    .:. :.
        .:   ..:.     :    -  .:   .:
          ::    .::   :    - :.   .:
            ::      .: - .  =:    :. .:.:...::
              .:.   -++===+==..-:..       ::
            ......=+---------=*.      ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=-------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.   .::
     =......:. :.    --    .:::     .:
      ..      :     .: -   .:  .:.    ::
             -    :.  -    :.     .:...::
            -  .:.    :.   -
            .::.       -   :
                         ::
```

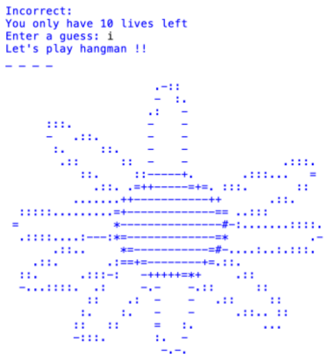


```
Incorrect:
You only have 10 lives left
Enter a guess: l
You've guessed the correct word and it only took 7 tries !!
central
>>>
```

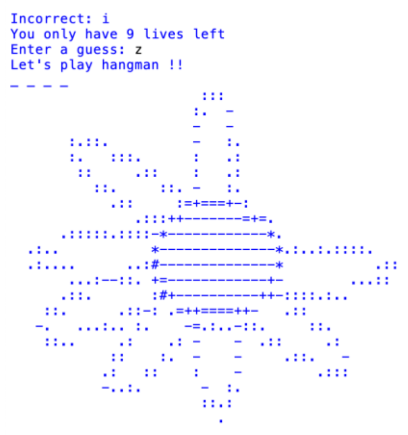
Incorrect input full play



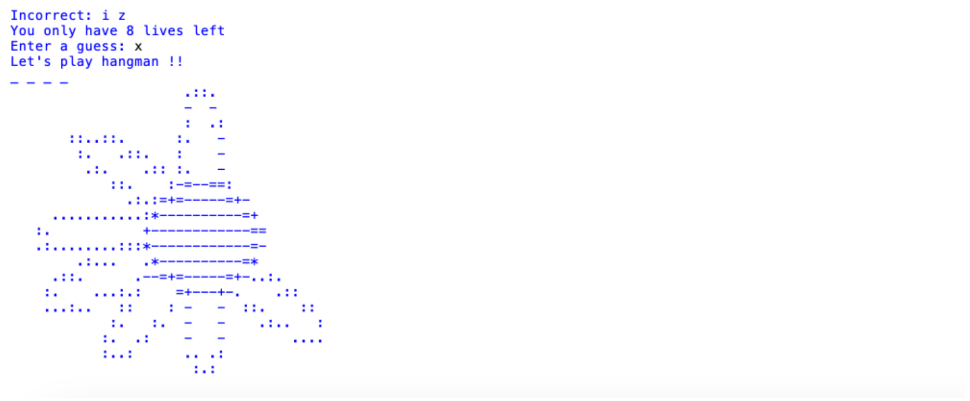
```
Let's play hangman !!
_ _ _ _

                        ::.
                      :. :.
                      -    -      .::
        .:.:.         -    -    .:. :.
        .:   ..:.     :    -  .:   .:
          ::    .::   :    - :.   .:
            ::      .: - .  =:    :. .:.:...::
              .:.   -++===+==..-:..       ::
            ......=+---------=*.      ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=-------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.   .::
     =......:. :.    --    .:::     .:
      ..      :     .: -   .:  .:.    ::
             -    :.  -    :.     .:...::
            -  .:.    :.   -
            .::.       -   :
                         ::
```



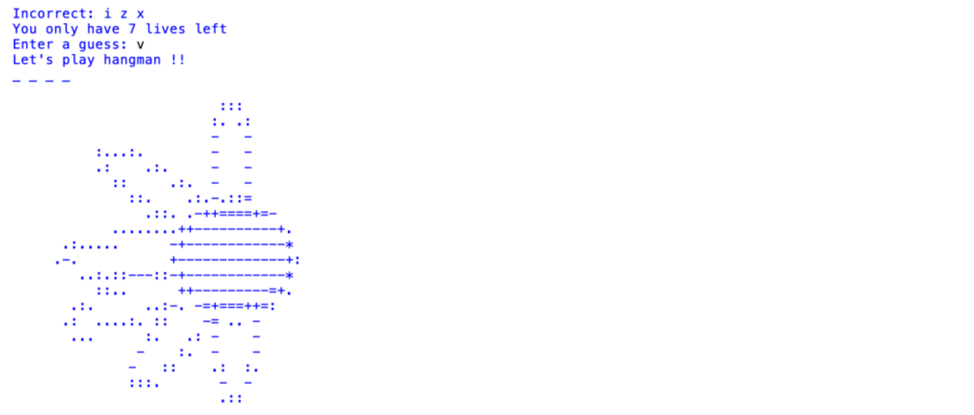
```
Incorrect:
You only have 10 lives left
Enter a guess: i
Let's play hangman !!
_ _ _ _

                       .-::
                       -  :.
                      .:    -
      :::.            -     -
      -   .::.        -     -
       :.      ::.    -     -
        .::       ::  -     -              .:::.
           ::.      ::-----+.        .:::...    =
             .::. .=++-----=+=. :::.           ::
          .......++-----------++        .::.
  ::::..........=+-------------== ..:::
 =              *---------------#-:.......::::.
  .::::....:---:*=------------=*                .-
       .::..     *=-----------=#-....:..:.:::.
    .::.        .:==+=--------+=.::.
  ::.       .:::-:   -+++++=*+      .::
  -...::::.  .:      -.-    -.::       ::
            ::    .:   -    -   .::      ::
           :.     :.   -    -      .::.. ::
          ::   ::      =   :.           ...
          -:::.        :.  -
                        -.-.
```



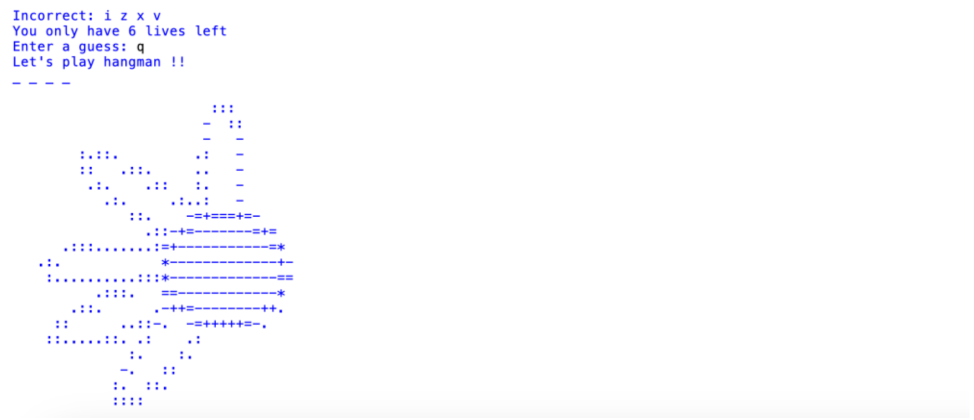
```
Incorrect: i
You only have 9 lives left
Enter a guess: z
Let's play hangman !!
_ _ _ _
                       :::
                      :.  -
                      -   -
       :.::.          -   :.
       :.   :::.      :   .:
        ::     .::    :   .:
          ::.     ::. -   :.
            .::     :=+===+-:
               .:::++-------=+=.
      .:::::.::::-*------------*.
  .:..           *--------------*.:..:.::::.
  .:....      ..:#--------------*           .::
       ...:--::. +=------------+-        ...::
      .::.       :#+----------++-::::.:..
    ::.      .::-: .=++====++-   .::
   -.   ...:.. :.    -=.:..-::.     ::.
    ::..     .:    .: -    -  .::     .:
            ::    :.  -    -     .::.   -
           .:   ::    :    -         .:::
           -..:.       -  :.
                       ::.:
                         .
```



```
Incorrect: i z
You only have 8 lives left
Enter a guess: x
Let's play hangman !!
_ _ _ _
                     .::.
                     -  -
                     :  .:
       ::..::.      :.   -
        :.   .::.   :    -
         .:.    .:: :.   -
            ::.    :-=--==:
              .:.:=+=-----=+-
     ...........:*----------=+
   :.           +------------==
   .:........:::*------------=-
        .:...   .*----------=*
     .::.      .--=+=-----=+-..:.
    :.    ...:.:    =+---+-.    .::
    ...:..   ::    : -   -  ::.    ::
            :.   :.  -   -    .:..   :
           :.  .:    -   -        ....
           :..:      .. .:
                      :.:
```

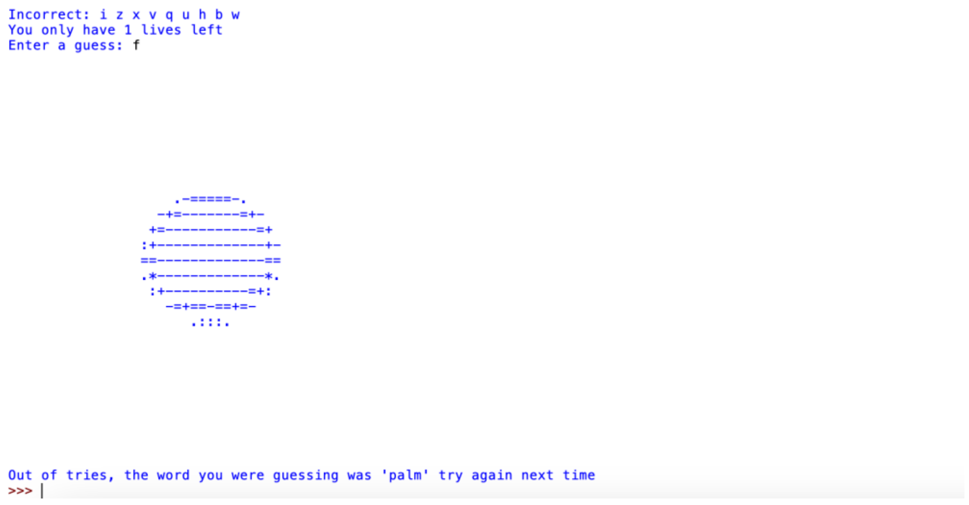


```
Incorrect: i z x
You only have 7 lives left
Enter a guess: v
Let's play hangman !!
_ _ _ _

                         :::
                        :. .:
                        -   -
          :...:.        -   -
          .:    .:.     -   -
            ::     .:.  -   -
              ::.    .:.-.::=
                .::. .-++====+=-
            ........++----------+.
      .:.....      -+------------*
     .-.           +-------------+:
        ..:.::---::-+------------*
          ::..      ++---------=+.
       .:.      ..:-. -=+===++=:
      .:  ....:. ::    -= .. -
       ...      :.   .: -    -
               -    :.  -    -
              -   ::    .:  :.
              :::.       -  -
                         .::
```



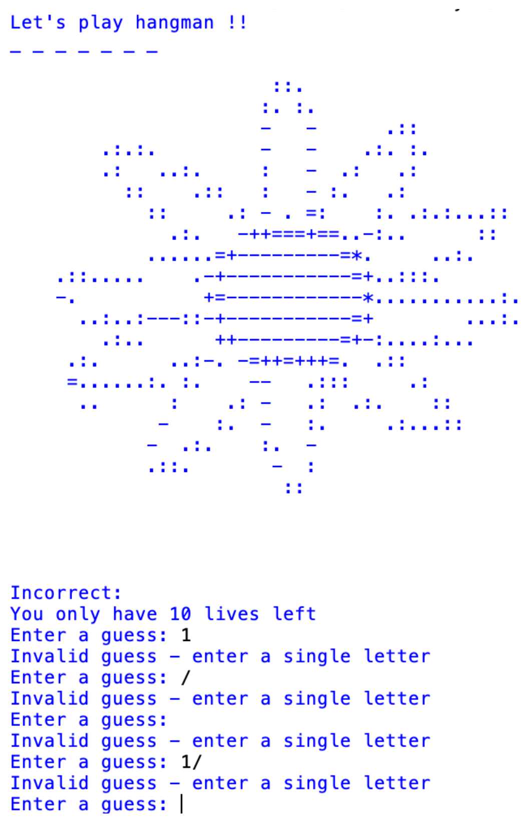
```
Incorrect: i z x v
You only have 6 lives left
Enter a guess: q
Let's play hangman !!
_ _ _ _

                        :::
                       -  ::
                       -   -
        :.::.         .:   -
        ::   .::.     ..   -
         .:.    .::   :.   -
           .:.     .:..:   -
              ::.    -=+===+=-
                .::-+=-------=+=
      .:::.......:=+-----------=*
   .:.            *-------------+-
    :..........:::*-------------==
          .:::.   ==------------*
       .::.      .-++=--------++.
     ::      ..::-.  -=+++++=-.
    ::.....::. .:    .:
              :.    :.
             -.   ::
            :.  ::.
            ::::
```

```
Incorrect: i z x v q
You only have 5 lives left
Enter a guess: u
Let's play hangman !!
_ _ _ _
                       -::
                      -  .:
                      -   -
      .:::.          .:   -
      :.  .:::.      :    :.
       .:     .::    -    :.
         ::.     .:. :.   -
           .::     .:-+---+:
              :::..=+=------=+=-
        .....:...=*------------=+
  :::....       :*--------------=+
 ::             ==---------------#
   .::::::.:---:=*---------------*
       .::..     =+------------=*.
    .::         ::::++--------=+=
  .:.     ..::.     .-=====-:
  ::..::::.


Incorrect: i z x v q u
You only have 4 lives left
Enter a guess: h
Let's play hangman !!
_ _ _ _         :
                       .- -.
                       -   -
                       -   -
        -...::.       .:   :
        .-    .::.    .:   :.
          ::      ::  .:   -
            .:.     .:.=.::=
              .::.  :=++====++-
                 .:*=-----------+-
    .::.:.........*=-------------+-
   -.             *---------------*
    .::::....:...:*--------------=+
                  :+------------=*.
                   .=+=-------=+-
                      :-===--:


Incorrect: i z x v q u h
You only have 3 lives left
Enter a guess: b
Let's play hangman !!
_ _ _ _

                       -:-
                      -   -
                      -   -
      ::::           .:   :.
      -   .:::       -    .:
       ::     .::    -    .:
        .::      ::. :.   :.
           ::.     .::=---+:
             .::.  =++=----=+=:
                .+*------------=+
                :*--------------=*
                +=---------------*:
                ==---------------#
                 *=-------------+=
                  =+----------=+:
                    -=++++++=:


Incorrect: i z x v q u h b
You only have 2 lives left
Enter a guess: w
Let's play hangman !!
_ _ _ _
                      ::::
                     .:  :.
                     -    -
                     -    -
                     -    -
                     -    -
                     -    -
                     =:--:+
                  :=++=---=++=.
                .++------------+=
                *=--------------+=
               :+----------------#
               -+----------------#
                *=--------------+=
                .+=------------+=
                  :=++=---=++=.
                     .:---:.
```



```
Incorrect: i z x v q u h b w
You only have 1 lives left
Enter a guess: f




                    .-=====-.
                  -+=-------=+-
                 +=-----------=+
                :+-------------+-
                ==-------------==
                .*-------------*.
                 :+----------=+:
                   -=+==-==+=-
                      .:::.




Out of tries, the word you were guessing was 'palm' try again next time
>>> |
```

Invalid input (number, symbol, space, 2 invalid characters)



```
Let's play hangman !!
_ _ _ _ _ _ _
                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:   .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=-------------*..........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::



Incorrect:
You only have 10 lives left
Enter a guess: 1
Invalid guess - enter a single letter
Enter a guess: /
Invalid guess - enter a single letter
Enter a guess:
Invalid guess - enter a single letter
Enter a guess: 1/
Invalid guess - enter a single letter
Enter a guess: |
```

Invalid input (more than one character)

```
Let's play hangman !!
_ _ _ _ _ _ _ _
                       ::.
                      :. :.
                      -   -      .::
        .:.:.         -   -    .:. :.
        .:   ..:.     :   -  .:   .:
          ::    .::   :   - :.   .:
            ::     .: - . =:    :. .:.:...::
              .:.   -++===+==..-:..      ::
            ......=+---------=*.     ..:.
    .::.....    .-+-----------=+..:::.
    -.           +=------------*...........:.
      ..:..:---::-+-----------=+        ...:.
        .:..      ++---------=+-:....:...
     .:.      ..:-. -=++=+++=.  .::
     =......:. :.    --   .:::     .:
      ..      :    .: -   .:  .:.    ::
             -    :.  -   :.     .:...::
            -  .:.    :.  -
            .::.       -  :
                        ::



Incorrect:
You only have 10 lives left
Enter a guess: ab
Invalid guess - enter a single letter
Enter a guess: abc
Invalid guess - enter a single letter
Enter a guess: a
```