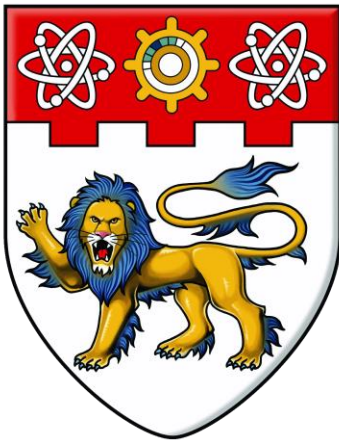


ASSIGNMENT 2
CE1003 INTRODUCTION TO COMPUTATIONAL THINKING

PYTHON HANGMAN GAME



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Note: Please use command line instead of IDLE to run this program and put all 3 files into the same folder (picture.py and dictionary.py are used as module in Hangman.py)

Program Starts:

```
#####
##
## 01      01      01      0110      01 01101010 0100      0011      11      0111      00 ##
## 11      10      0100      10 01      01 11      11 10 10 01      0101      01 00      01 ##
## 101110011      10 10      01 10 10 10 1001 10 110 10      10 01      10 11 10 ##
## 01      00      00111100      00      01 01 01      10 01      01 10101110 11      01 10 ##
## 11      10 10      10 10      1010 01110110 10      10 01      01 00      1001 ##
##
#####
```



```
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```



```
#####
##
## 01      01      01      0110      01 01101010 0100      0011      11      0111      00 ##
## 11      10      0100      10 01      01 11      11 10 10 01      0101      01 00      01 ##
## 101110011      10 10      01 10 10 10 1001 10 110 10      10 01      10 11 10 ##
## 01      00      00111100      00      01 01 01      10 01      01 10101110 11      01 10 ##
## 11      10 10      10 10      1010 01110110 10      10 01      01 00      1001 ##
##
#####
```



```
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#####
```



```
#####
##
## 01      01      01      0110      01 01101010 0100      0011      11      0111      00 ##
## 11      10      0100      10 01      01 11      11 10 10 01      0101      01 00      01 ##
## 101110011      10 10      01 10 10 10 1001 10 110 10      10 01      10 11 10 ##
## 01      00      00111100      00      01 01 01      10 01      01 10101110 11      01 10 ##
## 11      10 10      10 10      1010 01110110 10      10 01      01 00      1001 ##
##
#####
Press enter to continue ...
```

It is some kind of a flip-flop light (turn on then turn off then turn on again and so on). The pictures are taken for each on and off.

Case 1: You win

1. You lose if you miss 6 times in 1 question.
The number of lives will be reset to 6 when it goes to the next question!

```
Level : Easy / Medium / Hard / Challenge
Please choose the level you want : Easy
```

- ```
Question 1 of 4
Your score : 0

Word: _ - - - - -
Misses:

Remaining hints: 5
You still have 6 lives
```
- 
- ```
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-----
```
- ```
Guess or write "Hint" to use a hint : a
```

- [illegible]

```
Question 1 of 4
Your score : 0
```

Word: \_ \_ - - - - a \_ \_  
Misses: b


Remaining hints: 5  
You still have 5 lives

A rectangular box defined by dashed lines contains a larger dashed outline of the uppercase letter 'B'. The box has a solid vertical line on its left side.

```
Question 1 of 4
Your score : 0

Word: _ _ _ _ _ a _ e
Misses: b

Remaining hints: 5
You still have 5 lives
```



```
Guess or write "Hint" to use a hint : Hint
```

[illegible]

```
Question 1 of 4
Your score : 0
```

Word: S \_ \_ \_ \_ a k e  
Misses: b

Remaining hints: 4  
You still have 5 lives

A large dashed outline of a regular hexagon is centered on the screen.

Guess or write "Hint" to use a hint : s  
You have entered the alphabet before

```
Question 1 of 4
Your score : 0
```

Word: S \_ \_ \_ \_ a k e  
Misses: b

Remaining hints: 4  
You still have 5 lives

A large dashed rectangle serves as a frame for a drawing. Inside it, there is a dashed outline of an octagon.

[illegible]

[illegible][illegible]

```
Question 1 of 4
Your score : 0

Word: S _ _ f l a k e
Misses: b,m

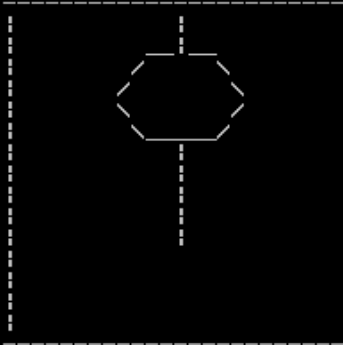
Remaining hints: 4
You still have 4 lives
```

```
Guess or write "Hint" to use a hint : b
You have entered the alphabet before
```

```
Question 1 of 4
Your score : 0

Word: S _ _ f l a k e
Misses: h,m

Remaining hints: 4
You still have 4 lives
```



```
Guess or write "Hint" to use a hint : n
```

[illegible][illegible][illegible]

```
Word: S n o w f l a k e
Right! The word is Snowflake.
It means a flake of snow, especially a feathery ice crystal, typically displaying delicate sixfold symmetry
Press enter to continue to the next word..
```

18.

```
Question 2 of 4
Your score : 25

Word: _ _ _ _ _
Misses:

Remaining hints: 4
You still have 6 lives

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```

Guess or write "Hint" to use a hint : a

19. This screenshot is taken after the first three questions are correctly answered and the final alphabet of the last question is going to be entered. I skip the question 2, question 3, and the entering of the 6 alphabets in question 4 because the processes are the same with the first question. This is just to show what happens if the player finishes all questions.

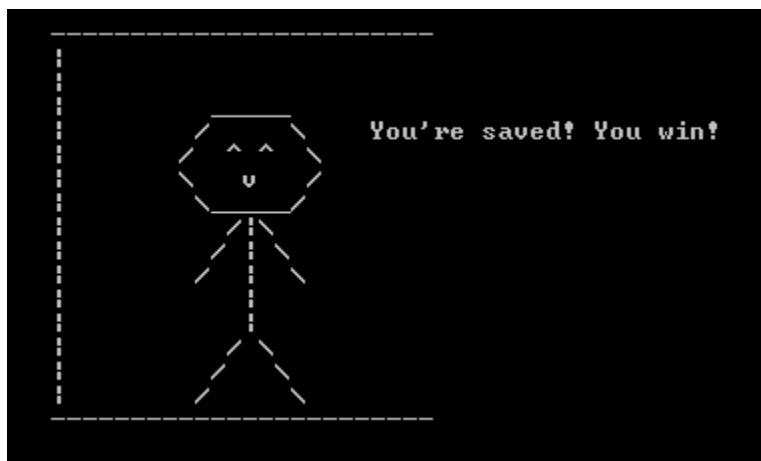
```
Question 4 of 4
Your score : 75

Word: T h u n d e _
Misses:

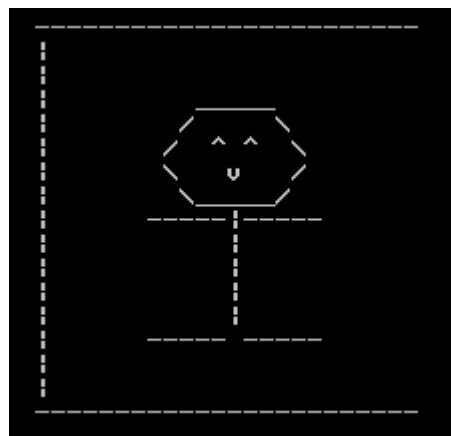
Remaining hints: 2
You still have 6 lives
```

```
Guess or write "Hint" to use a hint : r
```

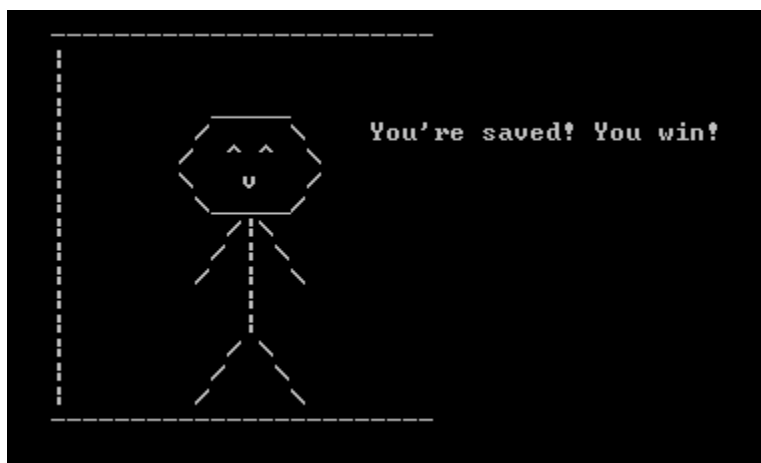
20.



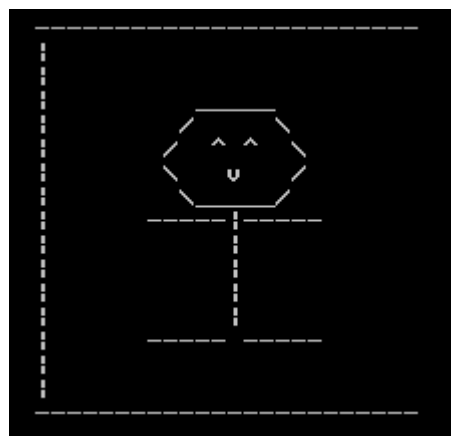
21.



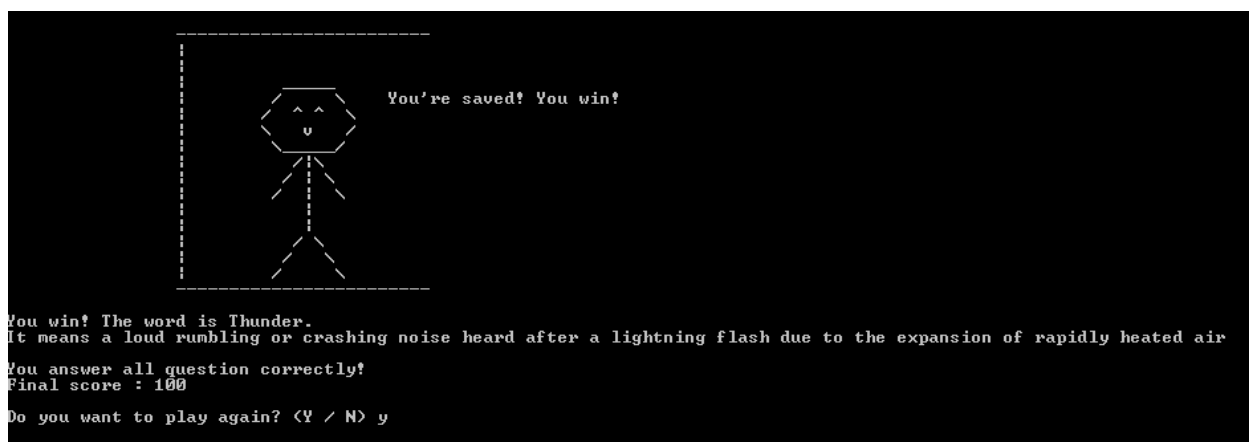
22.



23.



24.





## Case 2: You lose

1. You lose if you miss 6 times in 1 question.  
The number of lives will be reset to 6 when it goes to the next question!

```
Level : Easy / Medium / Hard / Challenge
Please choose the level you want : Easy
```

- ```

Question 1 of 4
2. Your score : 0

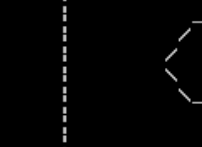
Word: _ _ _ _
Misses:

Remaining hints: 5
You still have 6 lives

```

[illegible]

3. Question 1 of 4
Your score : 0
Word: _ _ _ _
Misses: h
Remaining hints: 5
You still have 5 lives



Guess or write "Hint" to use a hint : t

4. Question 1 of 4
Your score : 0
Word: T _ _ _
Misses: h _ _ _
Remaining hints: 5
You still have 5 lives

[illegible]

- ```

5. Question 1 of 4
 Your score : 0

 Word: T i _ _
 Misses: h

 Remaining hints: 5
 You still have 5 lives

```

[illegible]


6. Question 1 of 4  
Your score : 0  
Word: T i n \_  
Misses: h  
Remaining hints: 5  
You still have 5 lives



Guess or write "Hint" to use a hint : y

7. Word: T i n y  
Right! The word is Tiny.  
It means very small  
Press enter to continue to the next word..

8. Question 2 of 4  
Your score : 25  
Word: \_ \_ \_ \_ \_  
Misses:  
Remaining hints: 5  
You still have 6 lives



Guess or write "Hint" to use a hint : b

9. Question 2 of 4  
Your score : 25  
Word: B \_ \_ \_ \_  
Misses:  
Remaining hints: 5  
You still have 6 lives



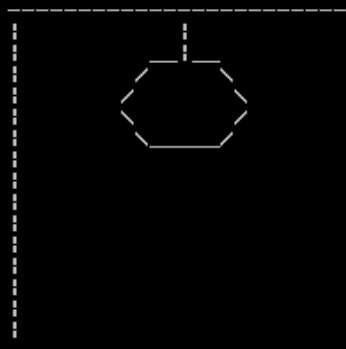
Guess or write "Hint" to use a hint : a

10.

Question 2 of 4  
Your score : 25

Word: B \_ \_ \_ \_ \_  
Misses: a

Remaining hints: 5  
You still have 5 lives



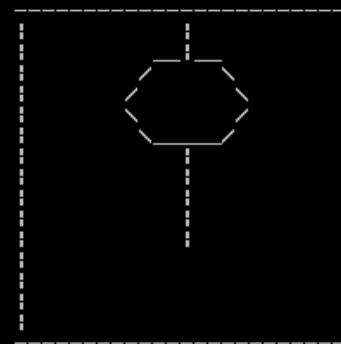
Guess or write "Hint" to use a hint : s

11.

Question 2 of 4  
Your score : 25

Word: B \_ \_ \_ \_  
Misses: a,s

Remaining hints: 5  
You still have 4 lives



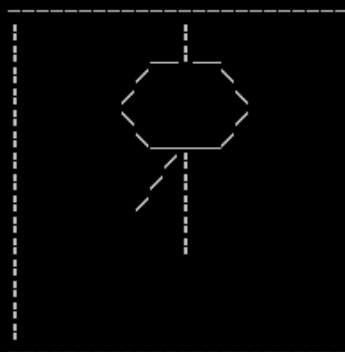
Guess or write "Hint" to use a hint : f

12.

Question 2 of 4  
Your score : 25

Word: B \_ \_ \_ \_  
Misses: a,s,f

Remaining hints: 5  
You still have 3 lives



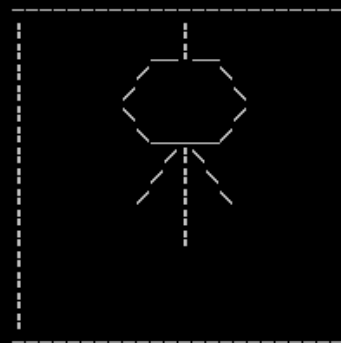
Guess or write "Hint" to use a hint : o

13.

Question 2 of 4  
Your score : 25

Word: B \_ \_ \_ \_  
Misses: a,s,f,o

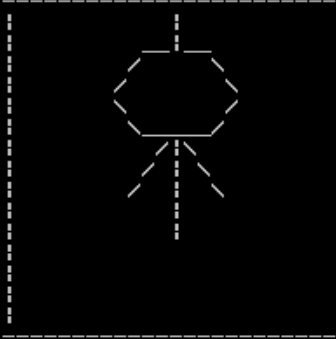
Remaining hints: 5  
You still have 2 lives



Guess or write "Hint" to use a hint : i

14.

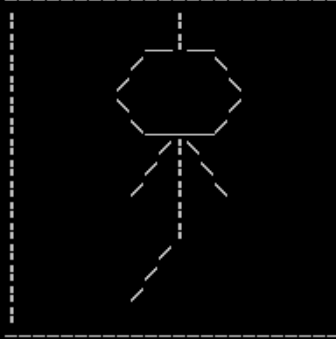
Question 2 of 4  
Your score : 25  
Word: B \_ i \_ \_ \_  
Misses: a,s,f,o \_  
Remaining hints: 5  
You still have 2 lives



Guess or write "Hint" to use a hint : t

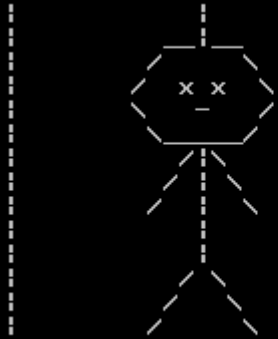
15.

Question 2 of 4  
Your score : 25  
Word: B \_ i \_ \_ \_  
Misses: a,s,f,o,t  
Remaining hints: 5  
You still have 1 lives




Guess or write "Hint" to use a hint : p

16.

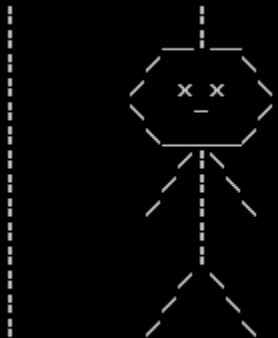


You're dead! You lose!

17.




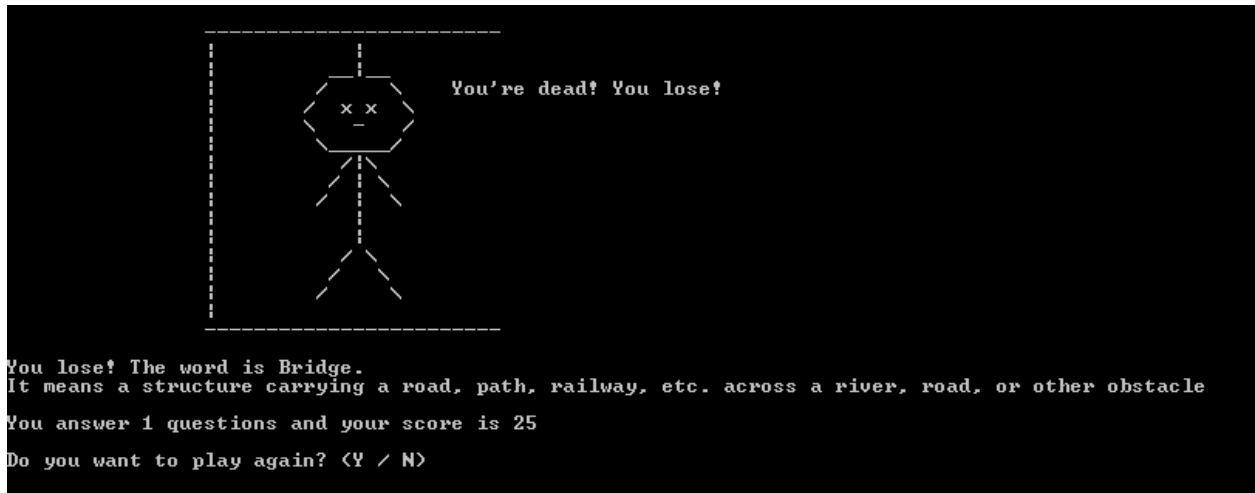
18.



You're dead! You lose!

19.





### Play Again:

In the end of the game, regardless of winning or losing, player will be asked whether he/she wants to play again or not. If player wants to play again, write 'Y' or 'y' and the program will start over from asking the level. If not, write 'N' or 'n' and the program will be terminated. If the player does not write 'Y' or 'N' in either upper or lower case, there will be a warning printed and the player will be prompted again as seen in the pictures below.

Do you want to play again? (Y / N) a



```
Please enter Y or N only!
Do you want to play again? (Y / N)
```