

Once there is a boy and an Apple Tree.

## Apple Tree

A hangman game written in Python 3

### Example Game Trace

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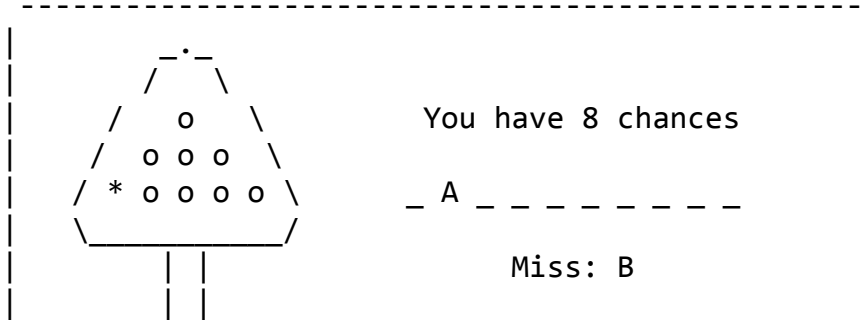
```
=====
>>>          Welcome to AppleTree          <<<
=====
```

The program will keep asking for user's choice until a reasonable choice is made.

Your guess: a  
- Congratulation!

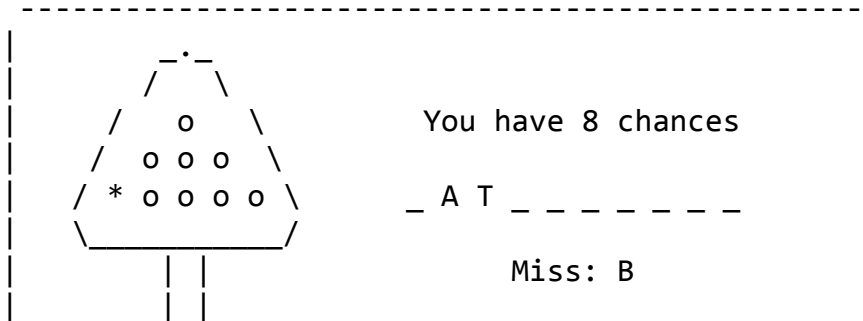
```
Your guess: b
- Guess fails :(
```

If the guess fails,  
user will have one  
less chance and an  
“apple” in the tree  
will be replaced by  
“\*”



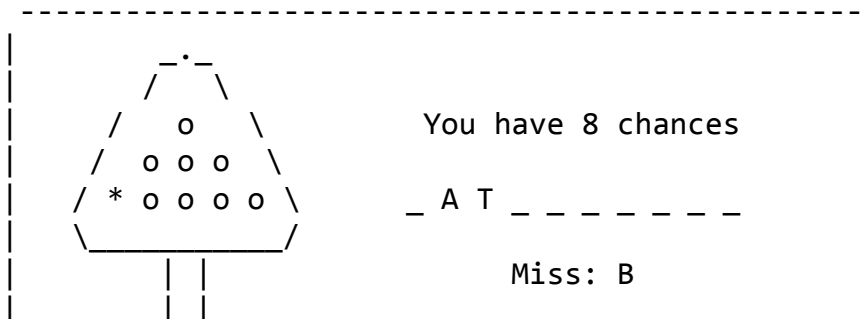
Your guess: T  
- Congratulation!

This is the example of inputting an upper case letter.



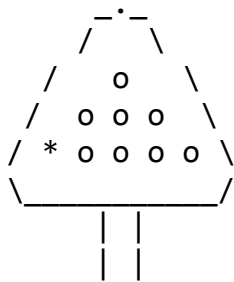
Your guess: 1  
- Sorry, please enter a letter.

If the user input anything other than English letters, error messages will be displayed.



Your guess: B  
- You have already tried letter B

If the user input a letter he has tried before (either correct or wrong), an error message will be displayed.

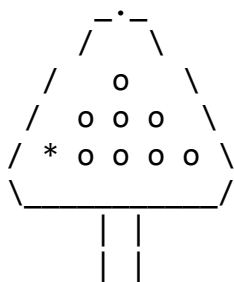


You have 8 chances

\_ A T \_ \_ \_ \_ \_

Miss: B

Your guess: water  
- Congratulation!

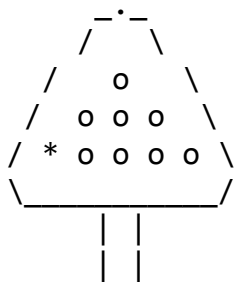


You have 8 chances

W A T \_ \_ \_ \_ \_

Miss: B

Your guess: e  
- Congratulation!



You have 8 chances

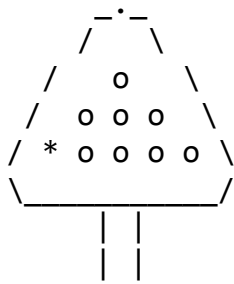
W A T E \_ \_ E \_ \_ \_

Miss: B

Your guess: r  
- Congratulation!

If user inputs more than one letter, the program will assume that the first letter is the user's guess.

There is nothing  
very important in  
this page :)



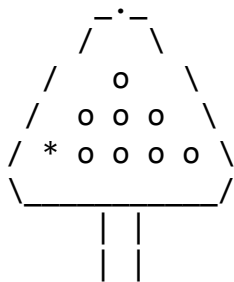
You have 8 chances

W A T E R \_ E \_ \_ \_

Miss: B

Your guess: m

- Congratulation!



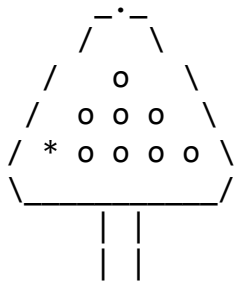
You have 8 chances

W A T E R M E \_ \_ \_

Miss: B

Your guess: l

- Congratulation!



You have 8 chances

W A T E R M E L \_ \_

Miss: B

Your guess: o

- Congratulation!

-----  
Your guess: n

- Congratulation!

```
*
*          *
*        / \      .
*       /   \    - -
*      /     \   / 
*     /       \ o 
*    /         \ o o o 
*   /           \ * o o o o 
*  /             \ _____\ 
* |               ||         || 
*|                ||         || 
**+-----+*****+-----+
```

You WIN!!!

The word is WATERMELON

Your choice: y

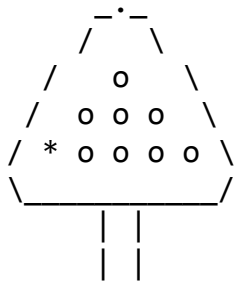
```
=====
>>>          Welcome to AppleTree          <<<
=====
```

- Now you are to guess a word about SNACK.

-----  
Your guess: a

- Guess fails :(

There is no important message in the following pages unless there is comment on the right.



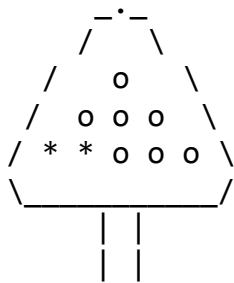
You have 8 chances

— — — —

Miss: Q

Your guess: w

- Guess fails :(



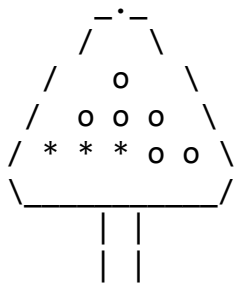
You have 7 chances

— — — —

Miss: Q W

Your guess: e

- Guess fails :(



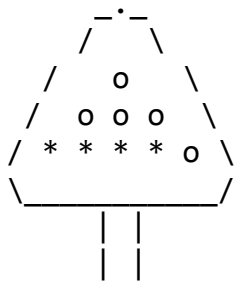
You have 6 chances

— — — —

Miss: Q W E

Your guess: r

- Guess fails :(

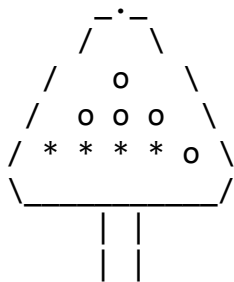


You have 5 chances

— — — —

Miss: Q W E R

Your guess: t  
- Congratulation!

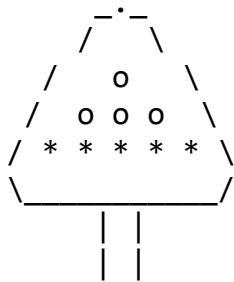


You have 5 chances

— — — T

Miss: Q W E R

Your guess: y  
- Guess fails :(



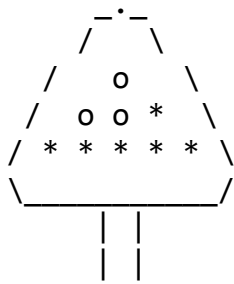
You have 4 chances

— — — T

Miss: Q W E R Y

Your guess: u  
- Guess fails :(



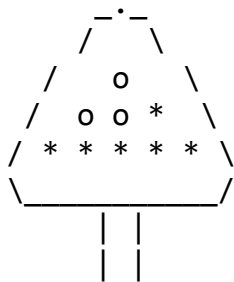


You have 3 chances

\_ \_ \_ T

Miss: Q W E R Y U

Your guess: i  
- Congratulation!

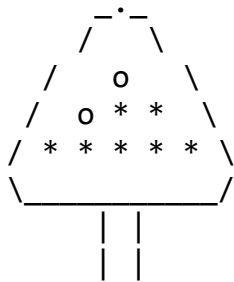


You have 3 chances

\_ I \_ T

Miss: Q W E R Y U

Your guess: o  
- Guess fails :(



You have 2 chances

\_ I \_ T

Miss: Q W E R Y U O

Your guess: p  
- Guess fails :(

```

      .-
     /  \
    /    \
   /      \
  /  o  \
 / * * * \
/ * * * * \
 \       /
  \     /
   \   /
    \ /
     \|
    \|
    \|
  
```

You have 1 chance

\_ I \_ T

Miss: Q W E R Y U O P

Your guess: a  
- Guess fails :(

```

*****
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
*                                           *
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*                                           *
*                                           *
*****
  
```

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  /  *  \
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/ * * * * \
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  \     /
   \   /
    \ /
     \|
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    \|
  
```

You LOSE.

The word is MINT

Do you want to start a new journey?  
- Enter Y for yes, or press enter to leave.  
Your choice:  
- See you :)

Process finished with exit code 0

If there is only one chance left, the word "chances" will be replaced by "chance".

When the user choose to leave, a "see you" message will be displayed.

And ...  
I choose not to make it a GUI program because the whole program will be quite different and hard to read if so.

One more thing,  
Have a nice day!