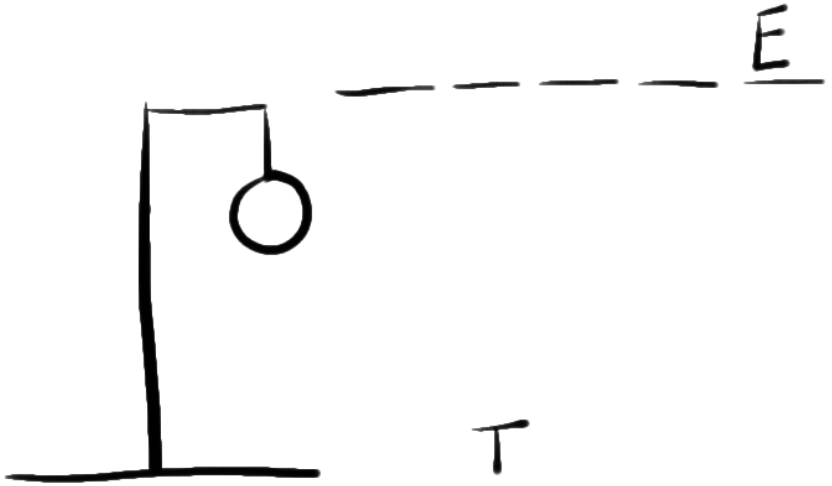
Strings – Day 1

10/26/18

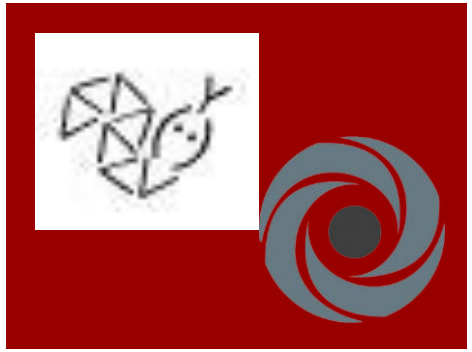
Journal

- Students will Identify a string as a sequence of characters that are identified by their index value, beginning with 0 (zero)
- Use the len function to get the number of characters in a string
- Traverse strings using both while and for loops
- Slice strings using [m:n]
- Parse strings using the find method and slicing
- Debug simple string programs to find and correct problems

Play a game of hangman with a partner – each person play each role. Write one of the games in your journal.



CS Matters



Strings What are they?

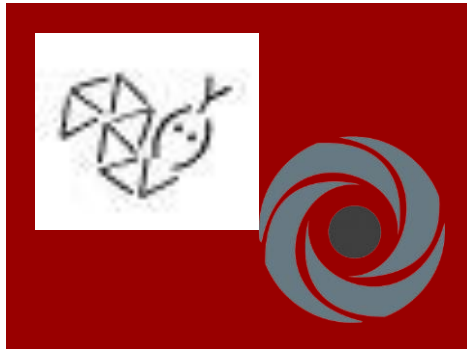
- Strings are simply a sequence of characters.

- Go to your ide (either python anywhere or REPL.it)
  - And start a new file – call it Strings1.py

```
word = "Friday“
letter = word[1]
print (letter)
```

Strings1.py

Strings 0



- What do we need first for a hangman game?
  - To make the spaces

Spaces for hangman

```
word = "Friday“
letter = word[1]
print (letter)
length = len(word)
letter = word[length]
print (letter)
```

print (length)

Solution of hangman

```
index = 0
while (index < len(word)):
    letter = word[index]
    print (letter, end =" ")
    index+=1
```

-=1

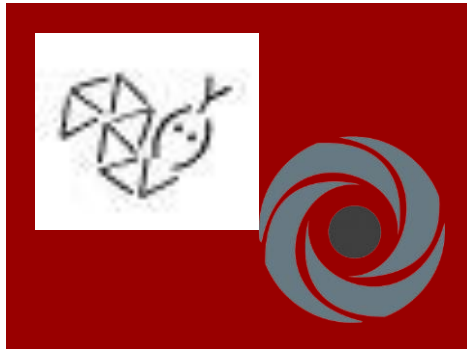
len(

**what if we wanted it to go backwards?

```
for char in word:
    print (char)
```

for index in (0 to len(word)-1)

range len(word)



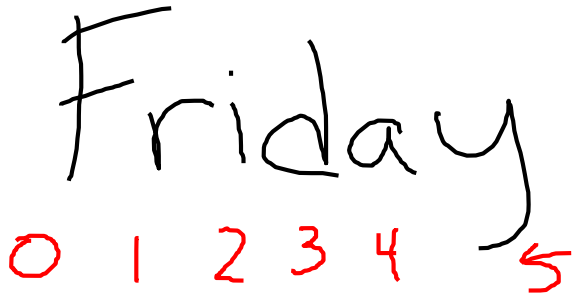
slicing a string

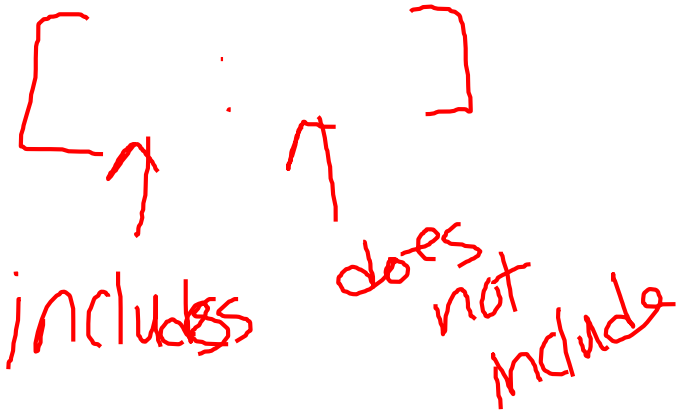
```
letters = word[3:5]
print (letters)
```

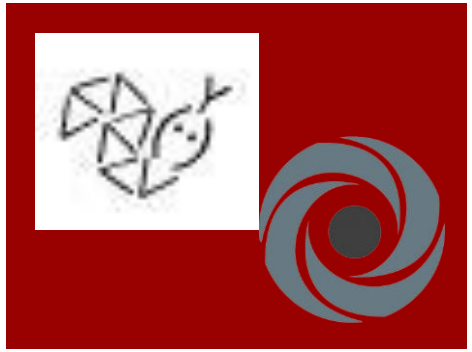
```
letters = word[  :4]
print letters
```

```
letters = word[4: ]
print letters
```

```
letters = word[ : ]
print letters
```

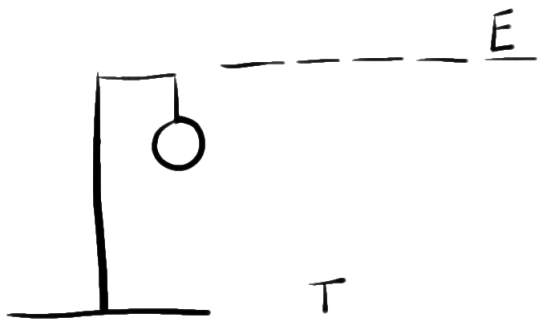






- what functions would be best?

Thinking about hangman



- start to write the functions – set up your main just to test them one at a time.

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