

STRINGS

- can **slice** strings using [start:stop:step]

```
s = "abcdefgh"
s[::-1] → evaluates to "hgfedcba"
s[3:6] → evaluates to "def"
s[-1] → evaluates to "h"
```



- strings are **"immutable"** – cannot be modified

```
s = "hello"
s[0] = 'y' → gives an error
s = 'y'+s[1:len(s)] → is allowed
s is a new object
```

STRINGS AND LOOPS

```
s = "abcdefgh"
for index in range(len(s)):
    if s[index] == 'i' or s[index] == 'u':
        print("There is an i or u")
```

```
for char in s:
    if char == 'i' or char == 'u':
        print("There is an i or u")
```

CODE EXAMPLE

```
an_letters = "aefhilmnorsxAEFHILMNORSX"

word = input("I will cheer for you! Enter a word: ")
times = int(input("Enthusiasm level (1-10): "))
i = 0

while i < len(word):
    char = word[i]
    if char in an_letters:
        print("Give me an " + char + "! " + char)
    else:
        print("Give me a  " + char + "! " + char)
    i += 1
print("What does that spell?")
for i in range(times):
    print(word, "!!!")
```

