x = "Hello"

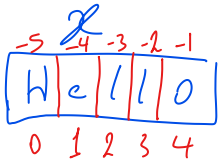
print(x) → Hello

print(x[0]) → H

print(x[4]) → O

print(x[-1]) → O

print(len(x)) → 5



x. → methods

xyz 1234

[0:3] [3:]

① length 4-7
② part1 alpha
③ part2 digits
} valid

05XXXXXXXX

① length 10
② starts 05
③ all digits
} valid

chr(-)

A → 65

B → 66

⋮

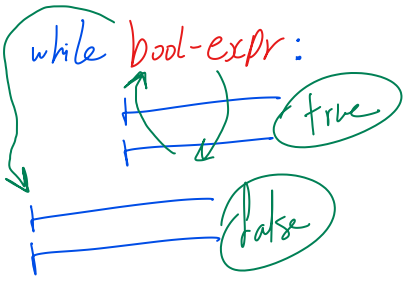
Z → 90

ord(-)

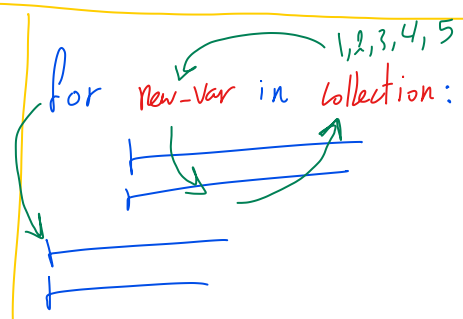
Ascii code

Unicode

while bool-expr:



for new_var in collection:



range(1,10,2) → 1,3,5,7,9

range(1,10) → 1,2,3,...,9

range(10) → 0,1,2,...,9

what's 7*3?
>> 21
what's 2*8?
>> 16
what's 9*5?
>>
⋮
>> 13
Game over!!

what's 7*3?
>> 13
Try again, what's 7*3?
>> 10
Try again, what's 7*3?
>>
⋮
>> 21
Correct

Guess num. btw 0-100
>> 9
Go up
>> 33
Go up
>> 77
Go down
>> 70
Go up
>> 72
You Guessed Right

number
72

answer
9
~~33~~
~~77~~
~~70~~
72

what's 7 * 2 ?
>> 14
correct
what's 3 * 9 ?
>> 13
wrong
what's . - . . -
-

-

-

Your score 3 out of 5

Enter num. of students: 4
Enter exam full mark: 25
Enter stutut mark: 23
pct = mark / full_mark * 100
>=50 Pass
Fail

Ahmed123 X
2oAhmeD20 ✓
① at least 8 char → len(-)
② at least 2 digits → isdigit()
③ at least 2 upper → isupper()

digitCount: 0 ~~1~~ ~~2~~ ~~3~~ 4
upperCount: 0 ~~1~~ 2

Print first 50 prime number
number: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, - - - -
all cannot divide → prime → print
print: 2, 3, 5, 7, 11
one divide → break → not prime → no print

```
while ____:
    for ____:
        if ____:
            break
```