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#Examples with Python for loops#

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#Food list example

edibles = ["chicken nuggets", "fries", "pastas", "oranges"]

for food in edibles:

if food == "oranges":

print("I only want unhealthy food")

else:

print("That's better")

print("")

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#Pythagorean theorem example

from math import sqrt

n = int(input("Type the maximum number that you want."))

for a in range(1, n + 1):

for b in range(a, n):

c\_square = a\*\*2 + b\*\*2

c = float(sqrt(c\_square))

if((c\_square - c\*\*2) == 0):

print(a, b, c)

else:

print(a, b, c)

print("")

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#colors list example

colors = ["blue"]

for i in colors:

if i == "blue":

colors += ["white"]

elif i == "white":

colors += ["grey"]

print(colors)

print("")

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#making methods example

def for\_loop():

for number in range(20):

sum = 3 + 156

print(sum)

for\_loop()

print("")

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#Sideways pyramid example

n = 5

for i in range(n):

for j in range(i):

print('\* ', end = "")

print(' ')

for i in range(n, 0, -1):

for j in range(i):

print('\* ', end = "")

print('')

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