Even Odd Table

Print out each of the numbers 1 through 100 and whether that number is even or odd. 100 is specified using a constant MAX\_NUMBER

Concepts:

One important thing to know is how to use the "index" variable in a for loop. This problem was designed to test that idea. To review how to use the index in a for loop, check out the [For loop chapter](https://codeinplace2021.github.io/pythonreader/en/for/) . Computing if a number is even or odd is covered in the [math chapter](https://codeinplace2021.github.io/pythonreader/en/math/).

Example Solutions



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"""

There are many solutions to this problem. Here are a few

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# Example Solution 1

def main():

# if you don't go until MAX\_NUMBER+1, range will stop short

for i in range(1,MAX\_NUMBER+1):

# you can use the variable i in the body of the loop

if i % 2 == 0:

# be careful printing. You can't add an int to a string

print(i, 'is even')

else:

print(i, 'is odd')

# Example Solution 2

def main():

# this variable recreate the "i" in a for loop

curr = 1

# this problem is probably better suited to a for loop

while curr <= MAX\_NUMBER:

if curr % 2 == 0:

print(curr, 'is even')

else:

print(curr, 'is odd')

# in a while loop you must increment curr. In the for loop

# i is incremented for you!

curr += 1

"""

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What did the AI Think?

An algorithm read your program. It has some ideas! But you should take them with a grain of salt. Algorithms aren't as smart as people! Check out what the AI said to unlock the next question!

See your solution