'''\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

What you should know.py

A summary of the skills you should have

But maybe don't !

ICS3U

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'''

Write each program in the time allotted.

Do not skip ahead.

Use three apostrophes to block-comment out each code

'''

#1 Using a FOR loop, print "hello" 5 times

#2 Using a FOR loop, count from 1 to 5

#3 Using a FOR loop, count from 5 to 10

#4 Using a FOR loop, count from 10 to 1

#5 Using a FOR loop, count from 1 to 21 inclusive, odd numbers only

#6 Using a while loop, count from 1 to 10

#7 Using a while loop, count from 10 to 1

# use this array for the next few problems:

planet = [ "mercury", "venus", "earth", "mars", "jupiter", "saturn", "uranus", "neptune"]

'''

NOTE: The next few programs should work for any length of the array.

In other words, do not use the number 8 in your code.

'''

#8 Print the length of the array

#9 Print the second element ("venus")

#10a Using a for loop, print all elements of the array.

#10b Using a for loop, print all elements of the array (different method)

#11 Using a while loop, print all elements of the array

#12 Add a new planet ("pluto") to the array. Write your code on the line immediately below the array.

#13 Do all of your programs 8 - 12 work, even though the array has been modified? If not, fix them!

#14 Write a for loop that prints the planets that have 5 letters or less.

#15 The first three planets are called the terrestrial planets. Write a for loop that prints the first three planets.

#16 Write a FOR loop that prints every other planet ("mercury", "earth", etc.)

#16 Same as above, but in a different way

#17 Ask the user for a planet. Tell the user the number (e.g. "Earth is the third planet from the sun")

#18 Modify the previous code so that if the user enters a planet that does not exist, let them know.

#19 A string is an array of letters. Print the fourth letter of the word "helpful".

#20 Ask the user for a word. Determine if the letter "e" is in the word.

#21 Print out the word below with the first letter capitalized. Use the upper() function.

word = "canada"

#22 Print each word in the sentence individually, one word per line

sentence = "This is a sentence!"

#23 Comment each line of the following code:

# This code could be useful for your story translator.

def removePunctuation(someString):

punctuation = ",.?!"

newString = someString

for punc in punctuation:

if punc in someString:

newString = newString.strip(punc)

return newString

sentence = "Hi there! How are things? Goodbye! Yours truly, computer."

words = sentence.split()

for w in words:

print (w, end = " ")

print()

for w in words:

print(removePunctuation(w), end = " ")