Write to a CSV file

# Code snippet .

Takes a list of integers, creates a new list with the same values as the string data type, and joins the list into a string with a comma between each item. Writes the single string to a CSV file.

| 1  2  3  4  5  6  7  8  9  10  11 | numbers = [3, 4, 5]  str\_numbers = []  for number in numbers:  str\_numbers.append(str(number))  data = ",".join(str\_numbers)  file = open("numbers.csv", "w")  file.write(data)  file.close() |
| --- | --- |

Challenge 1 .Fibonacci sequence

**Challenge**

Create a program that performs the following:

* Automatically populates a list with the Fibonacci number sequence up to 20 numbers
* Writes the sequence to a CSV file so that the numbers appear on the top row

**Note:** The Fibonacci sequence is a well-known sequence of numbers where the previous two numbers are added together to make the next number, e.g. 0, 1, 1, 2, 3, 5, 8

**Test your code then enter it below:**

**Note for assessor: this is just one example, there will be many variations from learners.**

| fibonacci = [0, 1]  for x in range(18):  number = fibonacci[x] + fibonacci[x+1]  fibonacci.append(number)  str\_fibonacci = []  for number in fibonacci:  str\_fibonacci.append(str(number))  data = ",".join(str\_fibonacci)  file = open("fibonacci.csv", "w")  file.write(data)  file.close() |
| --- |

# Challenge 2 .Times tables

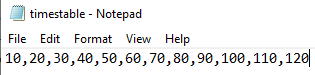
**Challenge**

Create a program that performs the following:

* Prompts the user to enter the times table they would like
* Uses this value to generate a list containing the chosen times table values
* Writes the chosen times table to a CSV file so that it appears on the top row

**Example**

A user enters ten and the following CSV file is generated:



**Test your code then enter it below:**

**Note for assessor: this is just one example, there will be many variations from learners.**

| print("Which times table would you like to have?")  choice = int(input())  timestable = []  for x in range(1, 13):  number = x \* choice  timestable.append(number)    str\_timestable = []  for number in timestable:  str\_timestable.append(str(number))  data = ",".join(str\_timestable)  file = open("timestable.csv", "w")  file.write(data)  file.close() |
| --- |

# Explorer task . Adapt any program

Revisit any of your previous programs that use 1D lists. Add in extra capability that writes the list to a CSV file.