



Exercise Six

6.1 Create a new Python file which will loop a countdown from 20 to 10 ...

Number is 20

Number is 19

Number is 18

Number is 17

Number is 16

Number is 15

Number is 14

Number is 13

Number is 12

Number is 11

Number is 10

Save as c:\course\ex6_1.py



Exercise Six

6.2 Create a new Python file which will loop from 1 to 26 (initially), print the numbers on the same line (with spaces) ...

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

Save as ex6_2.py

6.3 Amend ex6_2.py to print out the ascii values for uppercase characters (hint: 'A' is 65)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Save as ex6_3.py



Exercise Six

6.4 Open the `ex6_4.py` file, this contains a variable with song lyrics in it, loop through the lyrics counting the consonants, vowels and punctuation marks and produce the following report ...

There are 189 vowels

There are 317 consonants

There are 115 full stops, commas, spaces and quotation marks

Save as `ex6_4.py`

Exercise Six



6.5 Open the ex4_4.py file, amend this file to loop through the dictionary to produce the following report ...

The population of the city of London is 7,619,800

The population of the city of Birmingham is 1,010,400

The population of the city of Glasgow is 637,000

The population of the city of Leeds is 477,600

The population of the city of Manchester is 465,900

The population of the city of Bristol is 465,500

The population of the city of Liverpool is 464,200

The population of the city of Sheffield is 458,100

The population of the city of Edinburgh is 452,200

In total there are 12,050,700 people

Save as ex6_5.py



Exercise Six

6.6 **If there is sufficient time**, amend `ex6_5.py` and only output those cities which have a population over 500000 or the city name contains an 'i' in it ...

The population of the city of London is 7,619,800

The population of the city of Birmingham is 1,010,400

The population of the city of Glasgow is 637,000

The population of the city of Bristol is 465,500

The population of the city of Liverpool is 464,200

The population of the city of Sheffield is 458,100

The population of the city of Edinburgh is 452,200

In total there are 11,107,200 people

Save as `ex6_6.py`