

day16: for loops and columns

Due Monday 9/25/23

If you missed class today and are doing this another time and place, review the slide deck before trying to do this assignment.

For today's assignment create a repl named day16 for loops. Put your name in a comment at the top. Then:

1. Make a for loop to print the numbers 1 through 10.
2. Print a blank line. Make a second for loop that goes from 1 to 100. Before the loop create a variable "total" that is equal to zero. Inside the loop, instead of printing the variable, add it to total. After the loop print the sum of all numbers from 1 to 100 that you just calculated. (The correct answer is 5050.)
3. Print a blank line. Make a list variable that contains five strings. These could be any list of similar things (animals, favorite songs, classes at the high school, days of the week, etc.) Use a for loop to print these items one per line.
4. Print a blank line. Make a for loop to print all the numbers from 1 to 75 in 5 columns using tabs between the numbers. When done print a blank line.
5. Print a blank line. Use two for loops to print the times tables from 6 to 10 in 5 columns. In other words, it will look something like this:

```
36    42    48    54    60
42    49    56    63    70
48 . . .
```

This one will require two for loops, one inside the other.

Sample output on next page.

## Sample output:

Part 1:

1  
2  
3  
4  
5  
6  
7  
8  
9  
10

Part 2: 5050

Part 3: I made a list of countries:

United States  
The Netherlands  
France  
Russia  
Germany  
Ukraine

Part 4:

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	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75

Part 5: times tables

36	42	48	54	60
42	49	56	63	70
48	56	64	72	80
54	63	72	81	90
60	70	80	90	100