

Workshop Lesson 6 Split

Description

Sometimes a problem will give you more than one value on a single line of text separated by a space like this: `Jemma blue football` So how do we get these values as individual variables? Well there are two ways. In both cases, you use the Python function `split()` to split the input up into its individual parts assuming they are separated by a space.

Once they are split, one method of getting the values is to store the input in a Python `list`. The following code will get the input as a list called `info` and get each value individually by `indexing` into the list. More info here: https://www.w3schools.com/python/python_lists.asp

```
info = input().split() #get the input, split it up and store it the list called
"info"
name = info[0]         #store the first part in the variable "name"
color = info[1]       #store the next part in the variable "color"
sport = info[2]       #store the next bit in the variable "sport"
```

Python is quite smart, and there is another common way we do this in these types of problem. We can use a method called **multiple assignment** which works when we know we are only ever going to get that number of values back from the split. Here is an example of this method

```
name,color,sport = input().split() #store the split input in the three variables
```

It looks weird but it gives you exactly the same values as before.

Now the Challenge!!

Challenge Description

You will be given a series of lines of information containing {name} {favourite color} {favourite sport} separated by a space. The final line of input will contain three # symbols (this line is not to be processed) Your task is to go through all the input and count how many people like the color "blue". Note. all input will be given to you as lower case so you can check for a match with "blue" without worrying.

Your code must output a single integer containing the total number of people whose favourite color is blue.

Sample Input

```
jemma blue football
stacy green football
emma red netball
paula purple golf
# # #
```

Sample Output

1

Explanation

Only one of the list has a favourite color of blue (that might not be the case for the other test sets!!)