

Throughout this tutorial you will create a program that chooses 1 item from 3 different lists the lists being;description,colour and things. We chose these as when they are combined they can create a team name or user name for any situation. We chose to generate the words in this order as a result of investigating this.

<https://dictionary.cambridge.org/grammar/british-grammar/adjectives-order>

1.Open your python editor such as Thonny or IDLE (Thonny is preinstalled on Raspberry pi OS) to start.

2.Open the starter code file. This contains an import statement for a function to generate a random whole number and a list called descriptions which has 3 empty string items.

```
from random import randint
description = ["", "", ""]
```

3. Now try and make the strings have describing words/adjectives like colourful, cool and bouncy (in between the " ")



(The answer is available on the last page)

4.This line of code will print an item in the description list but which one? Is it 1st, 2nd or 3rd?

```
print(description[1])
```



(The answer is available on the last page)

5. Make the print statement output a random item from the description list

```
print(description[randint(0,2)])
```

6.add 2 more lists and 2 more print statements for one for `colours` and one for `things`

```
colour = ["", "", ""]
print(colour[randint(0,2)])
things = ["", "", ""]
print(things[randint(0,2)])
```

7.make all words appear on one line when printed

```
print(description[randint(0,2)],colour[randint(0,2)],things[randint(0,2)])
```

Challenge:make the program respond to different lengths of list and work

Now this is the challenge try and figure out how to adapt the program to support lists of any amount of items with the random (`len()` may be useful)



Answer pages

3. Now try and make the strings have describing words/adjectives like colourful, cool and bouncy (in between the “ ”)



Answer:

```
from random import randint `print(description[1])

description = ["bouncy","colourful","cool"]
```

4.This line of code will print an item in the description list but which one? Is it 1st, 2nd or 3rd?

```
print(description[1])
```



Answer: 2nd this is because python counts from 0 not 1

5. Make the print statement output a random item from the description list



Answer: `print(description[randint(0,2)])`

6.add 2 more lists and 2 more print statements for one for `colours` and one for `things`



Answer:

```
colour = ["", "", ""]
```

```
print(colour[randint(0,2)])
things = ["", "", ""]
print(things[randint(0,2)])
```

7. make all words appear on one line when printed



Answer:

```
print(description[randint(0,2)], colour[randint(0,2)], things[ra
ndint(0,2)])
```

Challenge answer

```
from random import randint
```

```
descriptions = ["", "", ""]
```

```
colours = ["", "", ""]
```

```
things = ["", "", ""]
```

```
print(description[randint
(0, len(description)-1), colour[randint
(0, len(colour)-1), things[randint (0, len(things)-1)])
```