python_mutable_sequences_how_to_use_lists_workbook_answers

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1 PYTHON MUTABLE SEQUENCES HOW TO USE LISTS WORK-BOOK

Remember, there are different ways to write code to get the same answer, so your answer can be correct and different to the answer example!

If you feel stuck and want some in person help, then have a look at the events page to join in a workshop https://swamphen.co.uk/events.

```python
In [ ]: # create a list of 15 random numbers
        rand = [6,34,6,35,34,7,5,12,8,78,653,2,8,6,3]
```

```python
In [ ]: # what number is the second number in your list?
        print(rand[1])
```

```python
In [ ]: # select indexs 5 to 8
        print(rand[5:9])
```

```python
In [ ]: # select every third number in the list
        print(rand[0:15:3])
```

```python
In [ ]: # what is the highest number in the list
        print(max(rand))
```

```python
In [ ]: # what is the lowest number in the list
        print(min(rand))
```

```python
In [ ]: # what is the range of the list
        print(max(rand) - min(rand))
```

```python
In [ ]: # do you have a number 5 in your list?
        5 in rand
```

```python
In [ ]: # how many number 8's are there in your list?
        rand.count(8)
```

```python
In [ ]: # order your list from highest to lowest number
        rand.sort(reverse = True)
        print(rand)
```

```
In [ ]: # order your list from lowest to highest number
        rand.reverse()
        print(rand)
        # or rand.sort()

In [ ]: # what is the median of the list?
        print(rand[7])
```