List Syntax Revision

Task 1 - Creating a list

Complete the following table with the appropriate syntax.

Description	Syntax
Create a blank list	`class = []`
Create a list with existing items	`class = ["Daniel","Danish","Matt"]`

Task 2 - List operations

Complete the following table with the appropriate syntax. Assume that you are using the list you defined with existing items in Task 1.

Description	Syntax
add an item to the end of a list	`class.append("Hamza")`
delete an item from the end of a list	`class.pop()`
insert an item into the middle of a list	`class.insert(1,"Indie")`
change the value stored at a particular index in the list	`class[0] = "Dan"` or `class.replace(0,"Dan")`

Task 3 - List slices

Complete the following table with the appropriate syntax. The list you should use for this task should be called `pets` and have the following items: `"dog", "cat", "goldfish",`

`"hamster", "rabbit", "gerbil"`

Description	Syntax
A slice with the third and fourth items in the list	`pets[2:4]`
A slice containing the first two items in the list	`pets[:2]`
A slice containing the last three items in the list	`pets[-3:]`
A slice with every second item in the list	`pets[0:0:2]` or `pets[::2]`

Task 4 - Lists and loops

Assuming that you have the `pets` list from Task 3 give the correct code for each of the following operations:

1. printing each item in the list

```
#space for code

for pet in pets:
    print(pet)
```

2. printing each item in the list with a number before it e.g. `1. Dog`

```
#space for code

for index, pet in enumerate(pets):
    print("{0}. {1}".format(index+1,pets))
```