

Creating a List

- A list is created by placing items inside `[]` separated by **commas**.

Example 1: A list of 10 natural numbers.

```
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

numbers	1	2	3	4	5	6	7	8	9	10
	0	1	2	3	4	5	6	7	8	9



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Example 2: An empty list.

```
numbers = []
```

an empty list is all about square brackets without any items



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Example 3: A list with duplicate items.

```
numbers = [1, 2, 2, 3, 3, 3, 4, 4, 4, 4]
```

numbers	1	2	2	3	3	3	4	4	4	4
	0	1	2	3	4	5	6	7	8	9

this list numbers

I hope this is making sense



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Example 4: A list with different types of items.

```
items = [1, 2, 'N', "Go", 3.14159]
```

items	1	2	'N'	'Go'	3.14159
	0	1	2	3	4

that a list can have different types of data



Features of a List

1. A list can have **duplicate** items.
2. Items in a list are **mutable**.
3. Lists can store items of **various types**.

of data items in a list
so with this we are done with this topic

