Question 1: How to check a variable’s type?

Use function **type**

Example:

>>> type(20)

<class 'int'>

>>> type("Halo")

<class 'str'>

>>> type(10.5)

<class 'float'>

Question 2: In what cases, you will get ***SyntaxError*** from the compiler telling you that some of your variables have **invalid names**? Can you give 3 different examples of **invalid names**?

In the following cases, SyntaxError will occur because some of the variables have invalid names:

1. **Variable names do not begin with a letter or an underscore**

*Example:*

>>> 199x = "years of birth"

File "<stdin>", line 1

199x = "years of birth"

^

SyntaxError: invalid syntax

1. **Variable names contain an illegal character**

*Example:*

>>> sign% = "percentage"

File "<stdin>", line 1

sign% = "percentage"

^

SyntaxError: invalid syntax

1. **Variable names are of Python keywords.**

*Example:*

>>> import = "today number is"

File "<stdin>", line 1

import = "today number is"

^

SyntaxError: invalid syntax