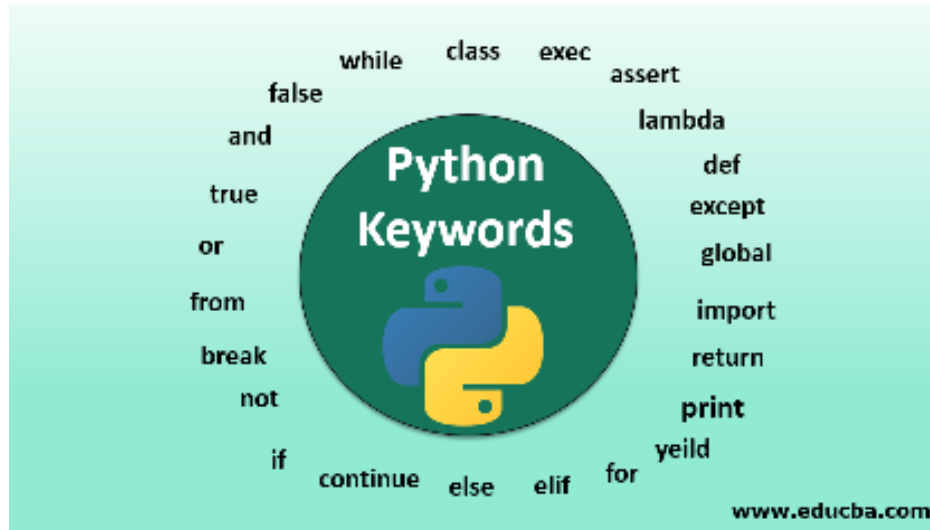# Grade 8 Week 3

- ➤ KEYWORDS AND IDENTIFIRES
- ➤ DATA TYPES
- ➤ VARIABLES AND CONSTANTS.

KEYWORDS

- They are words reserved in python.

- Cannot be used as a variables.

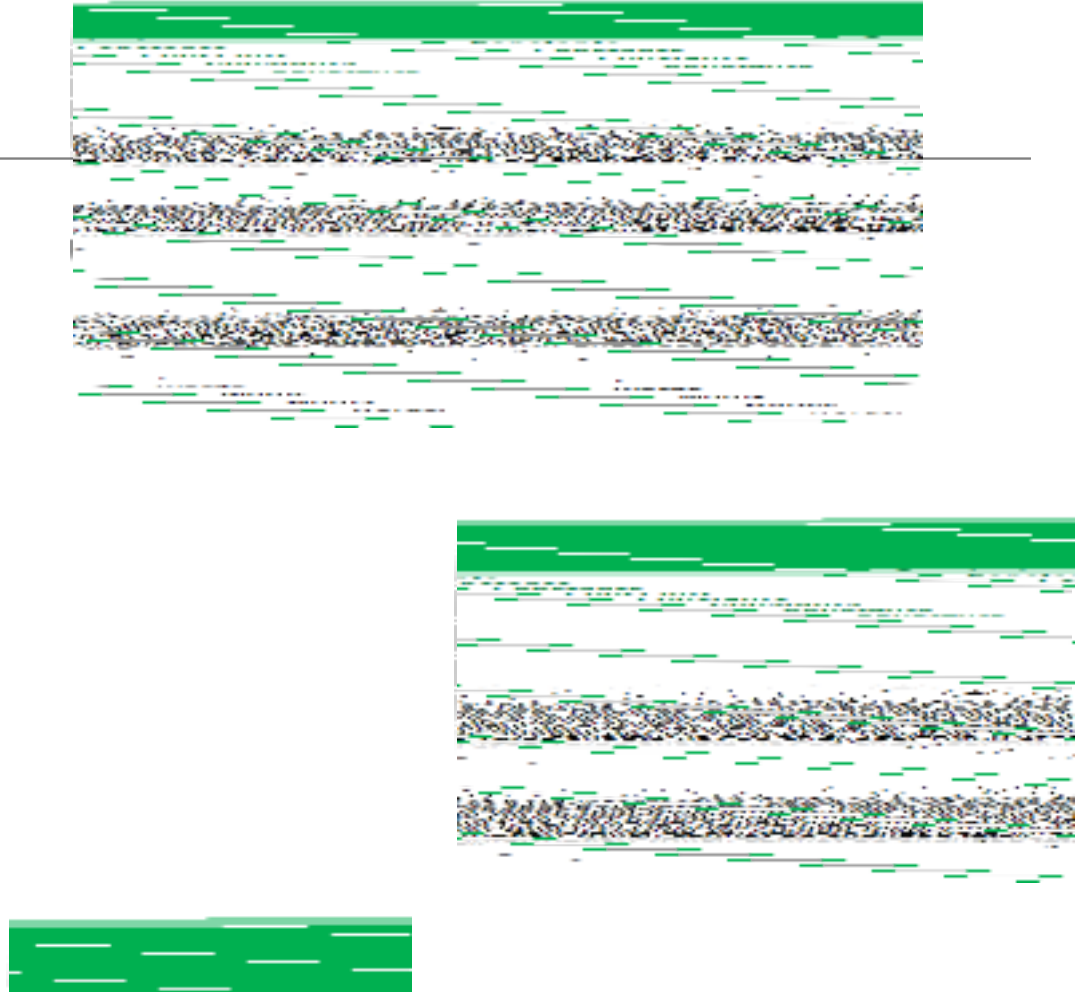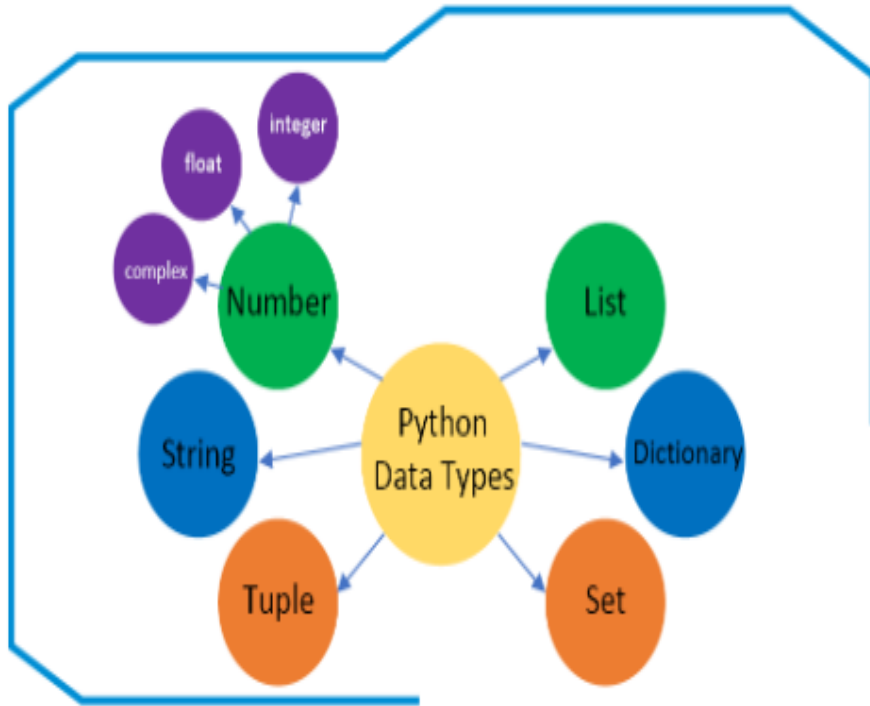- They are case sensitive.(small letters) except True , False and None.

Identifiers

Identifiers

Identifiers are names given to entities like functions, variables, etc. They help to differentiate one entity from another. Always name the identifier with a name that make sense and make it easier to figure out what it does even when
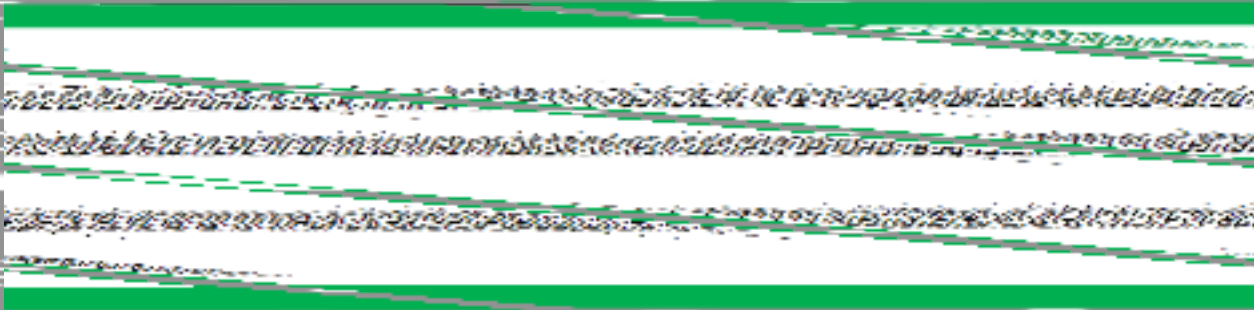
you look at your code after a long time.
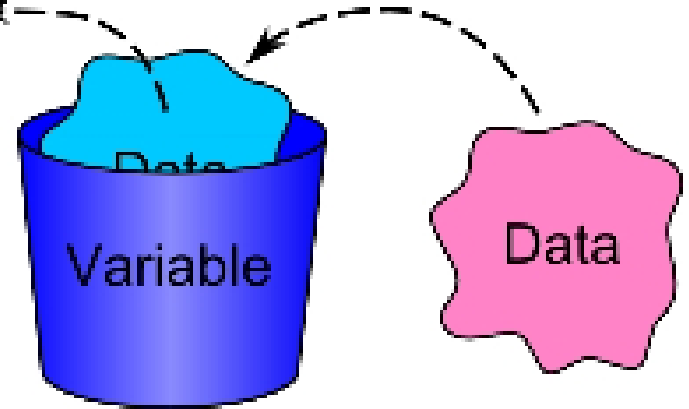
Data Types

Variables and constants

Give examples of variables.

Constants

A constant is a type of variable whose value should not be changed. Think of constants as containers that hold information which cannot be changed later.

Constants are written in capital letters and with underscores separating the words.

Give examples of Constants.

ACTIVITY 11   PAGE 29

Activity 11: True or False

	Statement	True/False
1	Keywords are words reserved in Python and cannot be used as a variable name, function name or any other identifier.	
2	Keywords are not case sensitive.	
3	We can create a variable and call it True.	
4	Identifiers can start with a digit or special symbol.	
5	Integer numbers represent the numbers such as 3.5, -2.56 and so on.	
6	Variables are written in small letters and with underscores separating the words. Constants are written in capital letters and with underscores separating the words.	

Activity 12: Choose the Correct Data Type

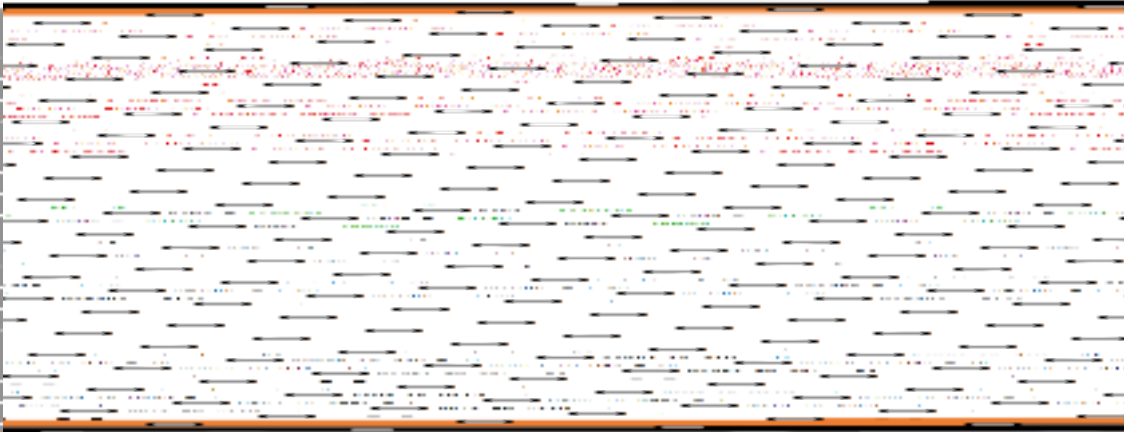Fill the table below with the correct data type.

Choose from these data types (**integer, float, string, list**)

Data Example	Data Type
[1, 2, 5, 7, 125]	
5512	
Ahmad	
3.125	
Hello World	

whole numbers which will represent years. The variable related to height should contain decimal numbers which will represent height in meters. The constants value should be numbers.

It is up to you how you define variables or constants in your code. You can define all variables in one line and all constants in one line, or each in a separate line.

Save your code and run it. Your code should run but without printing anything. If you see any error, read what the error message says, check your code again and try to fix it yourself.

Once finished, write your code in the following box.

```
# var_const.py
# This file uses variables and constants with different data types.
# Author: Ahmad Omar
# Date: 1/10/2019


name = "Ahmad"
age = 15
height = 1.60


hours_in_day = 24
days_in_week = 7
```