A Variable is a memory location in RAM, with a name, the value of it may change as the program runs.

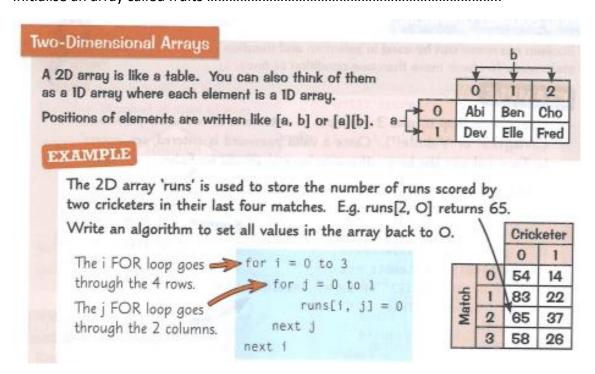
A **Constant** is memory location in RAM, with a unique identifier, the value of a constant remains the same during the running of a program.

An **array** is a memory location in RAM, that stores a collection of values of same data type under one name.

## Initialising an array students=["Ann","Jo","Bob",Sam"]

Command	Output
print(students[0])	['Ann']
print (students[:3] )	["Ann","Jo","Bob"]
Print( students[1:])	["Jo","Bob","Sam"]
print students[1:3])	["Jo","Bob"]
print (students[-1])	Sam
print (students[-2])	Bob
students.insert(2,"Hugo") print (students)	["Ann","Jo","Hugo","Bob",Sam"]
students.append("Billy") print (students)	["Ann","Jo","Hugo","Bob",Sam","Billy"]
"Bob" in students	True
print (len(students))	6
students.remove("Bob") print (students)	["Ann","Jo","Hugo",Sam","Billy"]
students.reverse() print (students)	["Billy","Sam","Hogo", "Jo", "Ann"]
students.sort() print (students)	["Ann","Billy","Hugo","Jo","Sam"]
students.count("Jo")	1

Initialise an array called fruits .....



## **File Handling**

Create a text file in the current working directory that creates and stores the text file (*UKPrimeMinister.txt*) that shows a list of the last five prime ministers of the United Kingdom.

