

```

1 # Welcome to the first lab!
2
3 ## Data Types
4
5 """
6 Examples 1: a few operations with numbers and strings
7 """
8
9 # A school has 3 classrooms, each of them can contain 20 students.
10 # How many students can be enrolled in the school?
11
12 n_classrooms=3 # What data type is n_classrooms?
13 print(type(n_classrooms))
14
15 room_seats=20
16 max_total_students=3*20 # How many?
17 print("Max number of students: %d" %max_total_students)
18
19 # At the beginning of the year there are 56 students enrolled.
20 # How many other application can the school accept?
21 enrolled=56
22 remaining=max_total_students - enrolled
23
24 # How many students in each class?
25 integer_division=enrolled // n_classrooms
26 remainder=enrolled % n_classrooms
27 print("Each class is going to have %d students and %d of them are remaining to assign to a class" %(integer_divi
28
29 # The first application is from
30 app="Juana Martinez, born in Madrid, on the 16/05/2000"
31 # What are her name, birth place and DOB?
32 full_name=app.split(",")[0]
33 birth_place=app.split(",")[1].split(" ")[3]
34 DOB=app.split(",")[2].strip()[7:]
35
36 print(full_name,birth_place,DOB)
37
38 """
39 Exercise 1
40 Martin Jones just arrived at the hospital and someone has collected his data as below.
41 You are required to extract the following information:
42 - name of the patient
43 - family name of the patient
44 - his year of birth
45 - his BMI (calculated as weight*2[kg]/height[cm])
46
47 """
48 fill_name_patient="Martin Jones"
49 age_patient=25
50 today_date="05/11/2018"
51 weight_patient=90.8
52 height_patient=180
53

```

Editor

Name	Type	Size	Value
age_patient	int	1	25
app	str	1	Juana Martinez, born in Madrid, on the 16/05/2000
birth_place	str	1	Madrid
enrolled	int	1	56
fill_name_patient	str	1	Martin Jones
full_name	str	1	Juana Martinez
height_patient	int	1	180
integer_division	int	1	18

Variable Explorer

Python 3.6.6 (default, Sep 12 2018, 18:26:19)  
Type "copyright", "credits" or "license" for more information.

IPython 6.4.0 -- An enhanced Interactive Python.

In [1]: runfile('/home/viola/Desktop/bootcamp2018/intro\_to\_python/lab1\_exercise1.py', wdir='/home/viola/Desktop/bootcamp2018/intro\_to\_python')

<class 'int'>

Max number of students: 60

Each class is going to have 18 students and 2 of them are remaining to assign to a class  
Juana Martinez Madrid 16/05/2000

In [2]:

Console