

SWIFT LANGUAGE - LAB #1

You were hired by a Montreal Health Center to print a report about patients BMI (body mass index).

YOUR TASK: Calculate the BMI using the given four data arrays (no classes allowed this time):

Search the internet for the formula to calculate BMI. Use the table below for patient classification.

```
-- BMI Categories TABLE -----
    Underweight      <18.5
    Normal weight    18.5-24.9
    Overweight       25.0-29.9
    Obesity          30.0-100.0
-----
```

Iterate with the arrays bellow, do the calculations, classification and print EXACTLY the following message for each patient.

IMPORTANT: The acceptance criteria for this task is the output given by the Product Owner. Be aware to details like spaces, texts, number of decimal points, etc. The PO is very strict and will return the task if you don't follow his client's requirements.

```
-- Report format, given by Product Owner -----
```

```
Patient number 1 : Daniel Carvalho
- Height : 174 cm
- Weight : 82.5 kg
- BMI : 27.2
- Classification : Overweight

-----
```

```
>>> EXTRA CHALLENGE (hint: use range/closed range):
      Use only ONE IF statement to find each patient classification
```

```
let firstName : Array<String> = ["Daniel", "Mark", "Sam", "Pierre", "Jean"]
let lastName  : Array<String> = ["Carvalho", "Zukemberg", "Smith", "Olivier",
"Francois"]
let height    : Array<Int> = [174, 178, 166, 182, 177]    // in centimeters
let weight    : Array<Double> = [82.5, 78.2, 120.0, 71.2, 92.9]    // in kg
```