**1) Create a class called Person with the following conditions.**

Attributes: name, age, DNI, sex (M for male, F for female), weight and height.

*Every attribute, except DNI, will have default values according to its type (0 for numbers, empty string for String, etc..). Sex will be male by default.*

**2) Create the following constructors:**

* A constructor with default values.
* A constructor with name, age and sex as parameters (other values by default).
* A constructor with all attributes received as parameters.

**3) Create the following methods:**

* + **calculateIMC()**
  + This method will calculate if the person is in its ideal weight. Use this formula to calculate it: (weight in KG)/(height^2  in Mts.).
  + If the result is less than 20, the function will return -1.
  + If the result is a number between 20 and 25 (included), means that the person is under its ideal weight and the function must return 0.
  + If the result is a number above 25 means the person is overweight and the function must return 1.
* **isAdult()**
  + Will return 1 if the person is 18 or above and 0 if it’s not.
* **checkSex(char sex)**
  + Will check if the value for sex is correct or not. If it’s not, will set sex as M by default.
* **toString()**
  + Returns all the information from the object.
* **createDNI()**
  + Will create an 8 figure random number and assign it to DNI attribute. This function will be called when the object is created.
* Create **SET** methods for every parameter but DNI.

**4) Create a runnable class that executes the following:**

Asks the user for name, age, sex, weight and height. **NOTE: no need to create an interface, you can just set the values in variables to use for creating the following objects.**

* Create 3 objects of class Person as follows:
  + First one will have the previous asked values.
  + Second one will have all of the previous asked values BUT weight and height.
  + Third one will have all values by default. Use SET methods to assign the values to the attributes.
* For each object check if the person is in its ideal weight, overweight or underweight.
* For each object check if the person is an adult.
* Finally show all the information of each object.