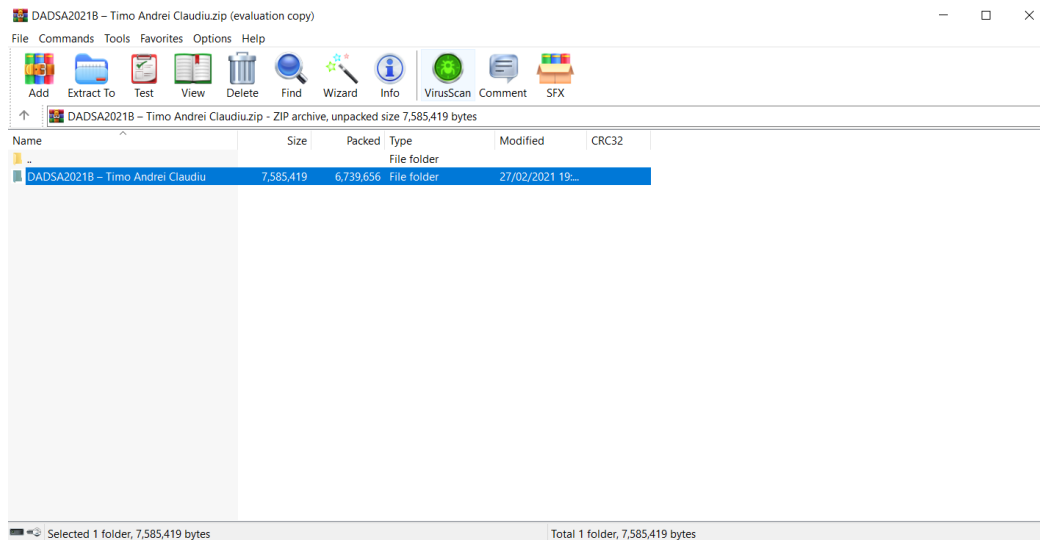# Instructions as how to run the code

The project was created using the integrated development environment, Microsoft Visual Studio 2019. The programming language used to write the code is Python, version 3.7 (64 – bit).
How to open the the project (DADSA2021B – Timo Andrei Claudiu):
- Download and unzip the archive and save the folders somewhere in your PC.


- After you downloaded the files, go to the location where you saved the folders.
- To open the project, click on the folder you want to open (e.g. Patient_Task1) and it will be displayed another folder with the same name, the .vs folder and the .sln file.
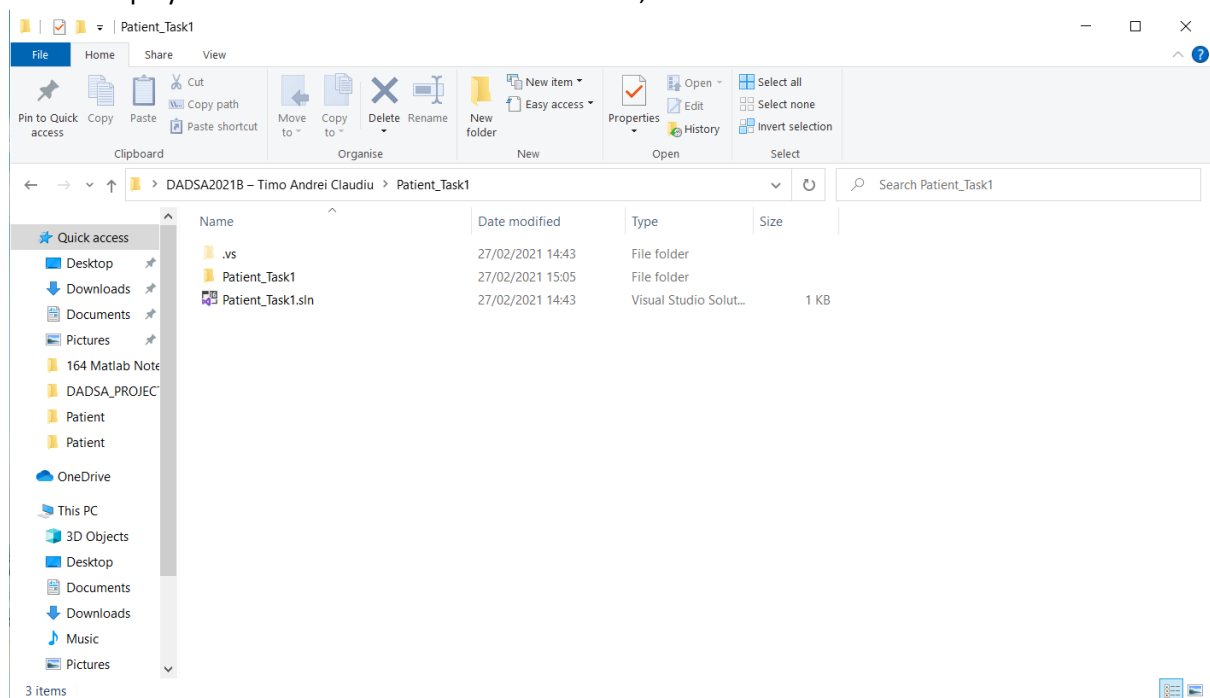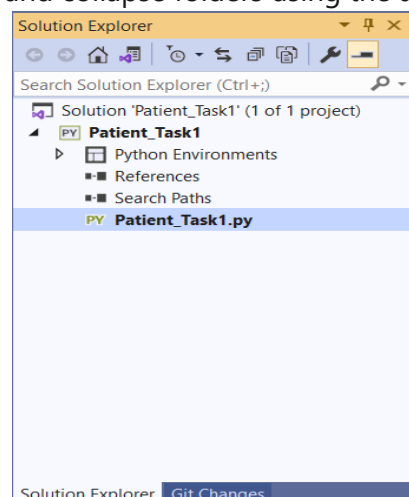
How to run the code:

- Launch Visual Studio 2019 and in the start window, select **Open** at the bottom of the **Get started** column. Alternately, if you already have Visual Studio running, select the **File** > **Open** > **Folder** command instead.
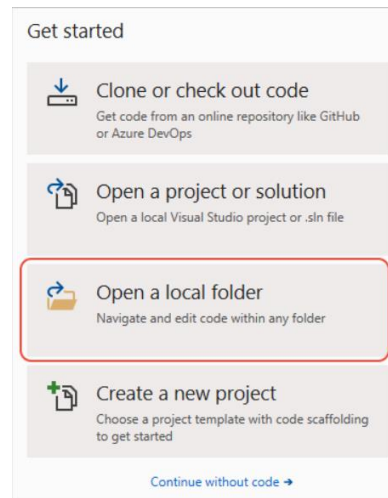
- Navigate to the folder containing the Python code, click on the folder name, then click on **file_name.sln**. (In this example is **Patient.sln**)

- Visual Studio displays the folder in **Solution Explorer** in what is called **Folder View**. You can expand and collapse folders using the arrows on the left edges of the folder names:

- To run the code, you first need to identify the startup or primary program file. In the example shown here, the startup file *DADSA-Part1.py*. Right-click that file and select **Start with/without debugging**. Or you can run the code by simply pressing **Ctrl+F5.**
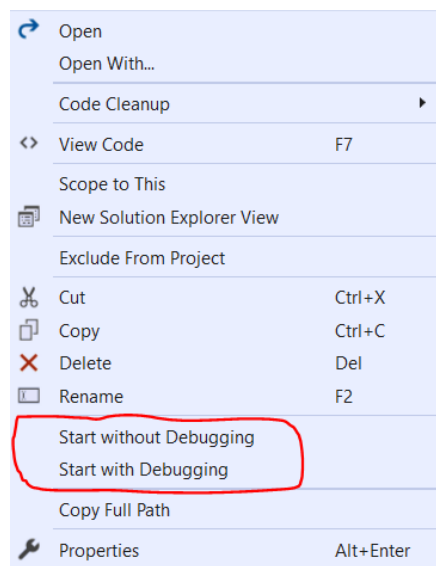
- After the program runs, a window called console will be displayed that will contain the information required by the task described above. (you can see the information by maneuvering the bar on the right side of the console.)

```
Female with underweight conditions:
DDD222 72 F 1.74 55       18.17 Underweight
DEF666 63 F 1.63 47       17.69 Underweight
DDC345 53 F 1.69 47 Y Y    16.46 Underweight
BDF777 91 F 1.69 42       14.71 Underweight
Men with underweight condition
DDD555 65 M 1.75 54 Y     17.63 Underweight


Female with obese conditions:
BDF237 78 F 1.71 111    Y Y   37.96 Obese
ABE127 19 F 1.71 101 Y Y   Y   34.54 Obese
DED567 57 F 1.73 98 Y   Y Y  32.74 Obese
Men with obese condition
DEF444 22 M 1.71 92 Y   Y Y  31.46 Obese
ABD721 72 M 1.86 108 Y   Y Y   31.22 Obese


Coursework B - Task 2
Establish which patients need to be referred to a dietitian.
The patients assessed for a referral are the patients who has one from the following conditions:  Obese OR Underweight, Hypertension, Asthmatic OR Smoker, NJT OR NGR, Renal Replacement Therapy, Ileostomy / Colos
tomy, Parenteral Nutrition


Print on Screen patient names of those that need to be referred to a dietitian
Patient name | Age | Number_of_Conditions | BMI | Order Number
DDC111        81        3           19.6    1
ABE329        81        3           25.46   1
ABD721        72        3           31.22   1
ABD111        71        3           26.12   1
ABE123        68        3           28.01   1
ABD401        62        3           21.51   1
DDD678        59        3           21.15   1
DED567        57        3           32.74   1
ABD321        57        3           20.43   1
ABD221        48        3           21.87   1

AAA102        47        3           22.65   1
DED675        44        3           28.74   1
DDD124        43        3           27.15   1
ABC201        24        3           20.3    1
DEF444        22        3           31.46   1
ABD007        21        3           21.63   1
ABE127        19        3           34.54   1
ABC234        18        3           23.06   1
ABC101        85        2           18.56   2
ABC008        82        2           19.78   2

BDF237        78        2           37.96   2
```