Project Skepsis Readme –

**File Struture ->**

Flask 2 ->

App.py – Main flask file of the project

Main.db – database containing all the tables

Static folder – Folder containing all the tables in 3 formats (excel sheet, csv file, and database file.), also this contains 3 jupyter notebooks

* Greek\_risk\_calculator.ipynb – This file can be used to calculate Greek 10 year risk score
* RiskCalculator.ipynb – This file can be used to calculate Euro 10 year risk score
* Sqlite\_conversion.ipynb – this file can be used to convert csv files to sqlite database
* SQLite\_querries.ipynb – This file has sql querries to get the required data from tables (or charts in the main.db)

Templates folder – this contains the html code for main page and the greek risk calculation page.

**To run app.py –**

You will need an IDE with Python 3 and Flask installed on it.

You have to type following commands after navigating to the app.py file path, in the terminal.

* export FLASK\_APP=app.py
* flask run

This will create a link in the terminal and then after clicking on it, you will be able to see the project.

Q. How to convert the units of TC in Framingham score?

- In app.py, inside index() and greek() methods, we can change the units of the input values – currently in Framingham system – Total cholesterol is in mmdl, where as in Greek system it is in mgdl. So if we want to create the Framingham score to take total cholesterol in mgdl unit.

Q. How to expand the code in order to connect to the database?

- If the values of total cholesterol, hdl, systolic blood pressure, etc. are taken out, then the sql querries can be used as it is to calculate the risk score.

Q. How create private system for this website?

- Create a local area network and keep one computer always on with the website hosted in it.

Q. How to update suggestions?

- Update the suggestions excel file, then add it as a table in main.db, using jupyter notebooks. Then run the app again.