The file provided in the same directory as this document named as “[***diabetes.csv***](https://standwak-my.sharepoint.com/:x:/g/personal/admin_mstechcommunities_com/EZJYPGz5dDFNht081v0AbHAB4J7efkvwJfnt6M49VfLkug?e=eVRbsh)” will be used to complete this exercise.

Create a new Jupyter notebook to solve this exercise then once the exercise is completed push it to GitHub and update your status on the [Microsoft form](https://forms.office.com/Pages/ResponsePage.aspx?id=huq5y4TkJESERNVB8io4tYUjrU_zSCFFlQtHpROPrOlURFZXR01RREVXWUtKNjI2ODZMMkxUQU5IMC4u).

The questions are not theoretical, and solutions should be provided in code.

**Task.**

1. Import the data from the dataset
2. Print only the patient ID of the first 7 diabetic patients
3. Delete the column that will not be of any use when building a machine learning model
4. Create a histogram using pandas with the Diastolic Blood Pressure
5. Create a pie chart using pandas representing the Diabetic and Non-Diabetic proportion
6. How many people are non-Diabetic?
7. Select all the rows where the number of pregnancies is greater than 5
8. Select the third cell in the row named BMI
9. Print the names of all the columns
10. Print the data type of each of the column
11. Summarize all the columns
12. Using the following custom style:
    * Color cycle: 1f77b4, ff7f0e
    * Line width: 2.5
    * Label size 12

Visualize using matplotlib the relationship between the age and an individual being diabetic or not

1. Create your own questions on the following topics and answer them:
   * Pandas
   * NumPy
   * Matplotlib
   * Seaborn
   * Plotty & Cufflinks

Your questions should be based on the dataset provided.

**- Good Luck -**