DATA AQUISITION

In [1]: #Name : Akanksha Giri #Roll no. : 41 #Sectin : 3A #Date : 27/07/2024 In [2]: #Aim : Perform operation on Data Aquisition In [3]: **import** pandas **as** pd In [4]: import os In [7]: os.getcwd() 'C:\\Users\\HP' In [9]: os.chdir("C:\\Users\\HP\\Desktop") In [10]: df=pd.read_csv("diabetes.csv") In [11]: df.head() Pregnancies Glucose BloodPressure SkinThickness Insulin BMI DiabetesPedigreeFunction Age Outcome 0 72 6 148 35 0 33.6 0.627 50 1 1 85 66 29 0 26.6 0.351 31 0 8 2 183 64 0 23.3 0 0.672 32 1 66 23 0 89 94 28.1 0.167 21 4 40 35 137 168 43.1 2.288 33 1 In [12]: df.head(100) Pregnancies Glucose BloodPressure SkinThickness Insulin BMI DiabetesPedigreeFunction Age Outcome Out[12]:

| | i regnancies | Olucosc | Dioodi icasaic | OKIIITIIICKIICSS | mounn | DIVII | Diabetesi edigicei diletion | Agc | Outcome |
|----|--------------|---------|----------------|------------------|-------|-------|-----------------------------|-----|---------|
| 0 | 6 | 148 | 72 | 35 | 0 | 33.6 | 0.627 | 50 | 1 |
| 1 | 1 | 85 | 66 | 29 | 0 | 26.6 | 0.351 | 31 | 0 |
| 2 | 8 | 183 | 64 | 0 | 0 | 23.3 | 0.672 | 32 | 1 |
| 3 | 1 | 89 | 66 | 23 | 94 | 28.1 | 0.167 | 21 | 0 |
| 4 | 0 | 137 | 40 | 35 | 168 | 43.1 | 2.288 | 33 | 1 |
| | | | | | | | | | |
| 95 | 6 | 144 | 72 | 27 | 228 | 33.9 | 0.255 | 40 | 0 |
| 96 | 2 | 92 | 62 | 28 | 0 | 31.6 | 0.130 | 24 | 0 |
| 97 | 1 | 71 | 48 | 18 | 76 | 20.4 | 0.323 | 22 | 0 |
| 98 | 6 | 93 | 50 | 30 | 64 | 28.7 | 0.356 | 23 | 0 |
| 99 | 1 | 122 | 90 | 51 | 220 | 49.7 | 0.325 | 31 | 1 |
| | | | | | | | | | |

100 rows × 9 columns

In [13]: df.tail()

| Out[13]: | | Pregnancies | Glucose | BloodPressure | SkinThickness | Insulin | вмі | DiabetesPedigreeFunction | Age | Outcome |
|----------|-----|-------------|---------|---------------|---------------|---------|------|--------------------------|-----|---------|
| | 763 | 10 | 101 | 76 | 48 | 180 | 32.9 | 0.171 | 63 | 0 |
| | 764 | 2 | 122 | 70 | 27 | 0 | 36.8 | 0.340 | 27 | 0 |
| | 765 | 5 | 121 | 72 | 23 | 112 | 26.2 | 0.245 | 30 | 0 |
| | 766 | 1 | 126 | 60 | 0 | 0 | 30.1 | 0.349 | 47 | 1 |
| | 767 | 1 | 93 | 70 | 31 | 0 | 30.4 | 0.315 | 23 | 0 |