MACHINE LEARNING LAB-1 OUTPUTS

TO-DO-OUTPUTS:

```
    ID  No_Pation Gender  AGE  Urea  Cr  HbA1c  Chol   TG  HDL  LDL  VLDL  \
0  502      17975      F   50   4.7  46    4.9   4.2  0.9  2.4  1.4   0.5
1  735      34221      M   26   4.5  62    4.9   3.7  1.4  1.1  2.1   0.6
2  420      47975      F   50   4.7  46    4.9   4.2  0.9  2.4  1.4   0.5
3  680      87656      F   50   4.7  46    4.9   4.2  0.9  2.4  1.4   0.5
4  504      34223      M   33   7.1  46    4.9   4.9  1.0  0.8  2.0   0.4

    BMI CLASS
0  24.0     N
1  23.0     N
2  24.0     N
3  24.0     N
4  21.0     N
```

```
First few rows of the dataset:
    ID  No_Pation Gender  AGE  Urea  Cr  HbA1c  Chol   TG  HDL  LDL  VLDL  \
0  502      17975      F   50   4.7  46    4.9   4.2  0.9  2.4  1.4   0.5
1  735      34221      M   26   4.5  62    4.9   3.7  1.4  1.1  2.1   0.6
2  420      47975      F   50   4.7  46    4.9   4.2  0.9  2.4  1.4   0.5
3  680      87656      F   50   4.7  46    4.9   4.2  0.9  2.4  1.4   0.5
4  504      34223      M   33   7.1  46    4.9   4.9  1.0  0.8  2.0   0.4

    BMI CLASS
0  24.0     N
1  23.0     N
2  24.0     N
3  24.0     N
4  21.0     N

Missing values in each column:
ID           0
No_Pation    0
Gender       0
AGE          0
Urea         0
Cr           0
HbA1c        0
Chol         0
TG           0
HDL          0
LDL          0
VLDL         0
BMI          0
CLASS        0
dtype: int64

Cleaned and Scaled Data:
    Gender  CLASS        ID  No_Pation       AGE      Urea        Cr  \
5      0.0    0.0  0.706767   0.451762  0.354839  0.578947  0.619048
6      0.0    0.0  0.744361   0.451775  0.354839  0.631579  0.369048
7      1.0    0.0  0.911028   0.451788  0.322581  0.144737  0.071429
13     0.0    0.0  0.130326   0.451881  0.161290  0.421053  0.321429
14     0.0    0.0  0.170426   0.451894  0.290323  0.842105  0.714286

       HbA1c      Chol        TG       HDL       LDL      VLDL   BMI
5   0.230769  0.271186  0.170213  0.400000  0.306122  0.190476  0.10
6   0.261538  0.559322  0.106383  0.466667  0.714286  0.095238  0.10
7   0.161538  0.508475  0.212766  0.533333  0.551020  0.238095  0.25
13  0.153846  0.610169  0.234043  0.666667  0.612245  0.238095  0.15
14  0.261538  0.203390  0.319149  0.800000  0.061224  0.333333  0.20
```