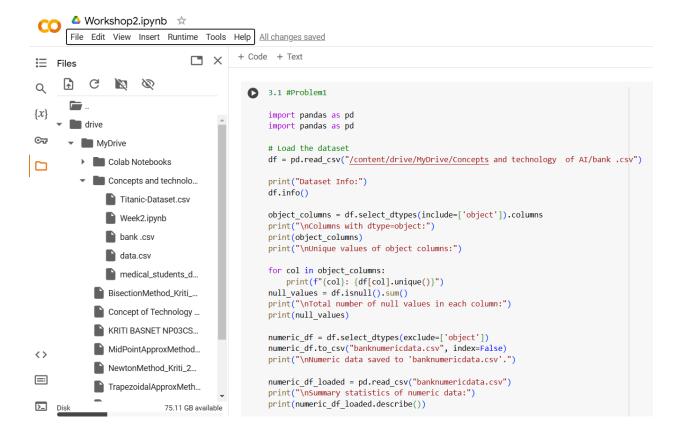
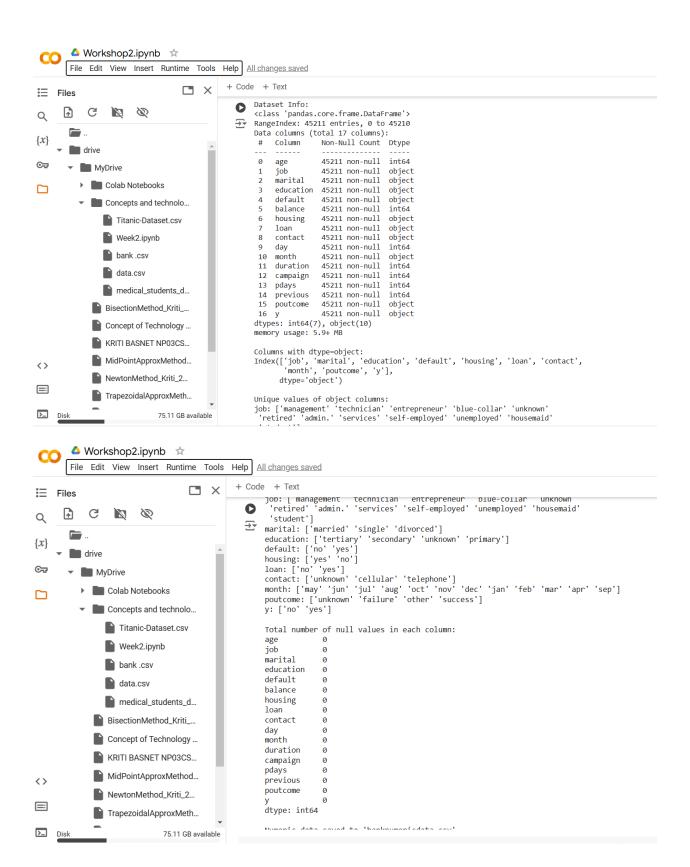
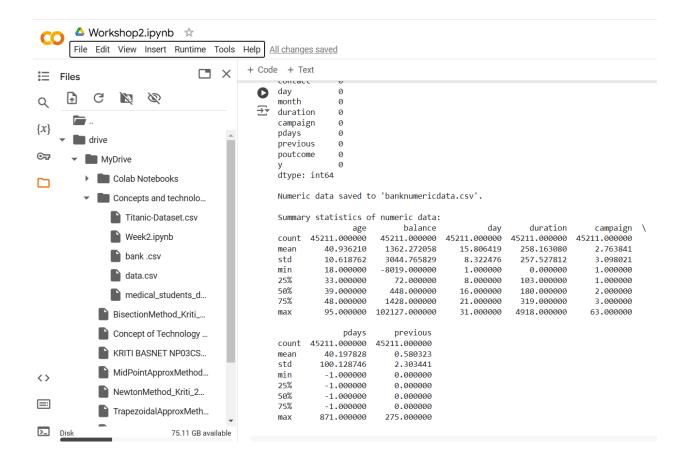
Concept and Technology of Al Workshop2

3.1 #Problem1



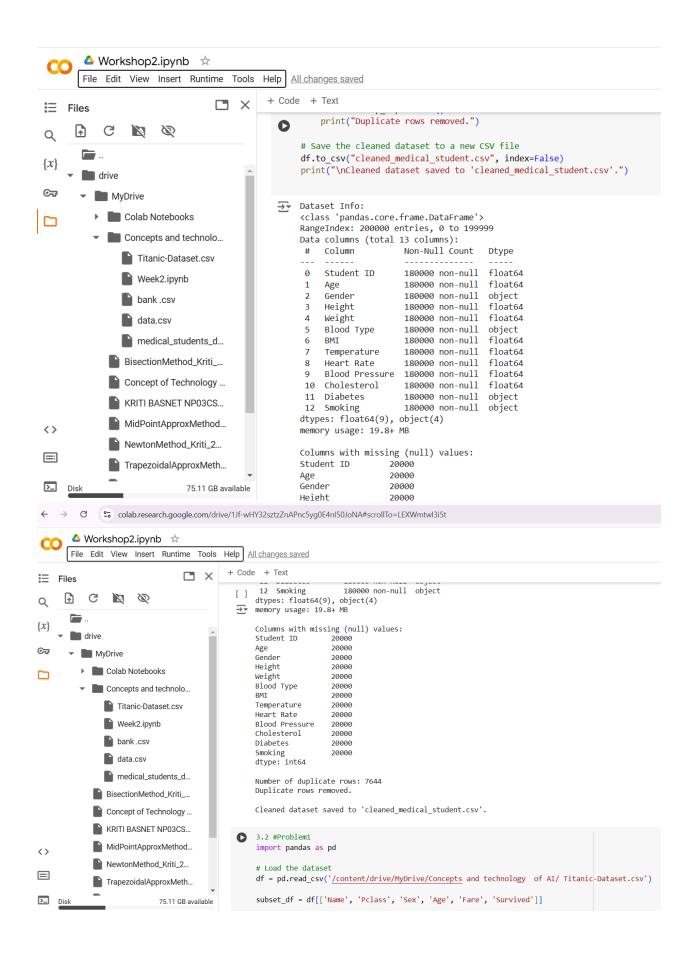




```
△ Workshop2.ipynb ☆
        File Edit View Insert Runtime Tools Help
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                                                     #Problem2
       lack
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Q
                                                         import pandas as pd
\{x\}
                                                         # Load the dataset
        drive
                                                         df = pd.read_csv("/content/drive/MyDrive/Concepts and technology of AI/medical_students_dataset.csv")
⊙
           MvDrive
                                                         print("Dataset Info:")
           Colab Notebooks
                                                         df.info()
              Concepts and technolo...
                                                         missing_values = df.isnull().sum()
print("\nColumns with missing (null) values:")
                 Titanic-Dataset.csv
                                                         print(missing_values[missing_values > 0])
                 Week2.ipynb
                                                         if 'NumericalColumn' in df.columns:
    df['NumericalColumn'].fillna(df['NumericalColumn'].mean(), inplace=True)
                 ank .csv
                 ata.csv
                                                              print("\nFilled missing values in 'NumericalColumn' with mean.")
                 medical_students_d...
                                                         if 'CategoricalColumn' in df.columns:
                                                              df['CategoricalColumn'].fillna(df['CategoricalColumn'].mode()[0], inplace=True)
               BisectionMethod_Kriti_...
                                                              print("Filled missing values in 'CategoricalColumn' with mode.")
                  Concept of Technology ...
                                                         if 'AnotherColumn' in df.columns:
    df['AnotherColumn'].fillna('Unknown', inplace=True)
               KRITI BASNET NP03CS...
                                                              print("Filled missing values in 'AnotherColumn' with a constant value.")
               MidPointApproxMethod...
<>
                  NewtonMethod_Kriti_2...
                                                         duplicate_count = df.duplicated().sum()
print(f"\nNumber of duplicate rows: {duplicate_count}")
\equiv
               TrapezoidalApproxMeth...
                                                         if duplicate_count > 0:
>_
     Disk
                                75.11 GB available
                                                              df = df.drop duplicates()
```



3.2 #Problem1

