Write a python program to find all null values in a given data set and remove them.

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, 90, np.nan, 95],

'Second Score': [30, 45, 56, np.nan],

'Third Score':[np.nan, 40, 80, 98]}

# creating a dataframe from list

df = pd.DataFrame(dict)

# using isnull() function

df.isnull()

# importing pandas package

import pandas as pd

# making data frame from csv file

data = pd.read\_csv (r'C:\Users\swati.joshi\Downloads\employees.csv')

# creating bool series True for NaN values

bool\_series = pd.isnull(data["Gender"])

# filtering data

# displaying data only with Gender = NaN

data[bool\_series]

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, 90, np.nan, 95],

'Second Score': [30, 45, 56, np.nan],

'Third Score':[np.nan, 40, 80, 98]}

# creating a dataframe using dictionary

df = pd.DataFrame(dict)

# using notnull() function

df.notnull()

# importing pandas package

import pandas as pd

# making data frame from csv file

data = pd.read\_csv (r'C:\Users\swati.joshi\Downloads\employees.csv')

# creating bool series True for NaN values

bool\_series = pd.notnull(data["Gender"])

# filtering data

# displayind data only with Gender = Not NaN

data[bool\_series]

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, 90, np.nan, 95],

'Second Score': [30, 45, 56, np.nan],

'Third Score':[np.nan, 40, 80, 98]}

# creating a dataframe from dictionary

df = pd.DataFrame(dict)

# filling missing value using fillna()

df.fillna(0)

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, 90, np.nan, 95],

'Second Score': [30, 45, 56, np.nan],

'Third Score':[np.nan, 40, 80, 98]}

# creating a dataframe from dictionary

df = pd.DataFrame(dict)

# filling a missing value with

# previous ones

df.fillna(method ='pad')

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, 90, np.nan, 95],

'Second Score': [30, 45, 56, np.nan],

'Third Score':[np.nan, 40, 80, 98]}

# creating a dataframe from dictionary

df = pd.DataFrame(dict)

# filling null value using fillna() function

df.fillna(method ='bfill')

# importing pandas package

import pandas as pd

# making data frame from csv file

data = pd.read\_csv (r'C:\Users\swati.joshi\Downloads\employees.csv')

# Printing the first 10 to 24 rows of

# the data frame for visualization

data[10:25]

# importing pandas package

import pandas as pd

# making data frame from csv file

data = pd.read\_csv (r'C:\Users\swati.joshi\Downloads\employees.csv')

# filling a null values using fillna()

data["Gender"].fillna("No Gender", inplace = True)

data

# importing pandas package

import pandas as pd

# making data frame from csv file

data = pd.read\_csv (r'C:\Users\swati.joshi\Downloads\employees.csv')

# Printing the first 10 to 24 rows of

# the data frame for visualization

data[10:25]

# importing pandas package

import pandas as pd

# making data frame from csv file

data = pd.read\_csv (r'C:\Users\swati.joshi\Downloads\employees.csv')

# will replace Nan value in dataframe with value -99

data.replace(to\_replace = np.nan, value = -99)

# importing pandas as pd

import pandas as pd

# Creating the dataframe

df = pd.DataFrame({"A":[12, 4, 5, None, 1],

"B":[None, 2, 54, 3, None],

"C":[20, 16, None, 3, 8],

"D":[14, 3, None, None, 6]})

# Print the dataframe

Df

# to interpolate the missing values

df.interpolate(method ='linear', limit\_direction ='forward')

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, 90, np.nan, 95],

'Second Score': [30, np.nan, 45, 56],

'Third Score':[52, 40, 80, 98],

'Fourth Score':[np.nan, np.nan, np.nan, 65]}

# creating a dataframe from dictionary

df = pd.DataFrame(dict)

df

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, 90, np.nan, 95],

'Second Score': [30, np.nan, 45, 56],

'Third Score':[52, 40, 80, 98],

'Fourth Score':[np.nan, np.nan, np.nan, 65]}

# creating a dataframe from dictionary

df = pd.DataFrame(dict)

# using dropna() function

df.dropna()

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, np.nan, np.nan, 95],

'Second Score': [30, np.nan, 45, 56],

'Third Score':[52, np.nan, 80, 98],

'Fourth Score':[np.nan, np.nan, np.nan, 65]}

# creating a dataframe from dictionary

df = pd.DataFrame(dict)

df

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, np.nan, np.nan, 95],

'Second Score': [30, np.nan, 45, 56],

'Third Score':[52, np.nan, 80, 98],

'Fourth Score':[np.nan, np.nan, np.nan, 65]}

df = pd.DataFrame(dict)

# using dropna() function

df.dropna(how = 'all')

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, np.nan, np.nan, 95],

'Second Score': [30, np.nan, 45, 56],

'Third Score':[52, np.nan, 80, 98],

'Fourth Score':[60, 67, 68, 65]}

# creating a dataframe from dictionary

df = pd.DataFrame(dict)

df

# importing pandas as pd

import pandas as pd

# importing numpy as np

import numpy as np

# dictionary of lists

dict = {'First Score':[100, np.nan, np.nan, 95],

'Second Score': [30, np.nan, 45, 56],

'Third Score':[52, np.nan, 80, 98],

'Fourth Score':[60, 67, 68, 65]}

# creating a dataframe from dictionary

df = pd.DataFrame(dict)

# using dropna() function

df.dropna(axis = 1)

# importing pandas module

import pandas as pd

# making data frame from csv file

data = pd.read\_csv (r'C:\Users\swati.joshi\Downloads\employees.csv')

# making new data frame with dropped NA values

new\_data = data.dropna(axis = 0, how ='any')

new\_data

print("Old data frame length:", len(data))

print("New data frame length:", len(new\_data))

print("Number of rows with at least 1 NA value: ", (len(data)-len(new\_data)))