PRAC 3

```
iimport pandas as pd
import numpy as nm
import statistics as st

df=pd.read_csv("mall_customers.csv")
df

df.mean(numeric_only=True)
df.loc[:,'Age'].mean()
df.median(numeric_only=True)
df.loc[:,'Age'].median()
df.select_dtypes(include='number').median(axis=1)[0:4]  #median row wise

df.mode()
df.loc[:,'Age'].mode() # mode of a specific column.

df.min()
df.loc[:,'Age'].min(skipna = False) # minimum of Specific column

df.max()
df.loc[:,'Age'].max(skipna = False) # minimum of Specific column

df.select_dtypes(include='number').std()
df.loc[:,'Age'].std()
df.select_dtypes(include='number').std(axis=1)[0:4]

df.groupby(['Genre'])['Age'].mean()

from sklearn import preprocessing
enc = preprocessing.OneHotEncoder()
enc_df = pd.DataFrame(enc.fit_transform(df[['Genre']]).toarray())
enc_df

df_encode = df.join(enc_df)
df_encode()
```