RINEX MAJOR PROJECT

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CODE :

```
# -*- coding: utf-8 -*-
#"""Major Project 1.ipynb

#Automatically generated by Colaboratory.

#Original file is located at

#https://colab.research.google.com/drive/1W_KfF6lXehCZ
#S5B6jaf66Tqyz5sGaGpb
#"""

#LOGISTIC REGRESSION TECHNIQUE

import pandas as pd
df =
pd.read_csv('https://raw.githubusercontent.com/ameenma
nna8824/DATASETS/main/Mall_Customers.csv')
df

df.info()

df_a = df.drop(['Genre'],axis = 1)
df_a
x=df_a.iloc[:,0:4].values
```

```
x

df_a.info()
y = df_a.iloc[:,3].values
y

from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test = train_test_split(x,y,test_size
= 0.2,random_state = 0)

from sklearn.linear_model import LogisticRegression
model = LogisticRegression()

model.fit(x_train,y_train)

y_pred = model.predict(x_test)
y_pred

y_test

model.predict([[54,23,113,19]])
```

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