# **QCR Assignment # 02**

**ABUBAKAR NUM-BSCS-2022-41**

## CODE

import pandas as pd  
from matplotlib import pyplot as plt  
import seaborn as sns  
  
std\_s = []  
std\_n\_s = []  
dfmat = pd.read\_excel("/Users/Developer/Desktop/QCR Project/student-mat.xlsx")  
scs = (dfmat["schoolsup"]).tolist()  
stt = (dfmat["G3"]).tolist()  
for i in range(len(scs)):  
 if scs[i]=='yes':  
 std\_s.append(stt[i])  
 else:  
 std\_n\_s.append(stt[i])  
sns.violinplot([std\_s,std\_n\_s])  
plt.xlabel('School Support')  
plt.ylabel('Final Grade (G3)')  
plt.xticks([0, 1], ['Student with scholarship', 'Student without scholarship'])  
plt.title('Distribution of Final Grades with and without School Support')  
plt.show()

## TASK 02OUTPUT