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Assignment No. 2

print("Assignment No.2")

print("Result of FDS test for SE students") print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*") marks=["AB",25,13,23,18,"AB",29,"AB",11,27]

print("The marks of students for FDS test out of 30M are ")

print(marks)

def avg():

cnt=0 total=0 avg=0.0

n=len(marks)

print("Total No. of Students in the class :: ",n) for i in marks:

if type(i)==type(""):

cnt+=1 else:

total+=i avg=total/(n-cnt)

print("The Average score of class is :: ",avg)

def high(): max=0 cnt=0

for i in marks:

if type(i)==type(""): cnt+=1

elif i>max: max=i

print(max)

def low(): min=99 cnt=0

for i in marks:

if type(i)==type(""): cnt+=1

elif i<min: min=i

print(min)

def abs(): cnt=0

for i in marks:

if type(i)==type(""):

cnt+=1

print("Number of students who were absent for test :: ",cnt)

def freq():

cnt=p=mm=high=0

for n in range(31):

cnt=0

for i in marks:

if type(i)==type(""): p+=1

elif i==n: cnt+=1

count.append(cnt)

print("Count of marks from 0 to 30 are :: ") print(count)

for y in count:

if y>high:

high=y

print("Highest Frequency is :: ",high) for z in range(31):

if count[z]==high:

mm=z

print("Marks of Highest Frequency is :: ",mm)

flag=1

while flag==1:

print(" Menu ") print("1. The average score of class")

print("2. The highest and lowest score of class") print("3. Number of students who were absent for test") print("4. Marks with highest frequency") ch=int(input("Enter your choice:"))

if ch==1:

avg()

print(" ") elif ch==2:

print("The Highest and lowest score of class is :: ") print("Maximum:",high())

print("Minimum:",low())

print(" ") elif ch==3:

abs()

print(" ") elif ch==4:

freq()

print(" ") else:

print("Wrong Choice") flag=0