

# Probability of student getting above 60 in reading

Code:-

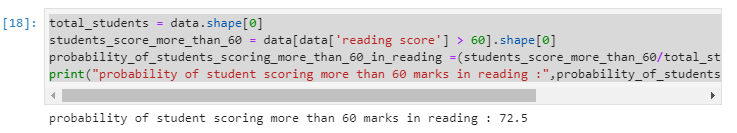
total\_students = data.shape[0]

students\_score\_more\_than\_60 = data[data['reading score'] > 60].shape[0]

probability\_of\_students\_scoring\_more\_than\_60\_in\_reading =(students\_score\_more\_than\_60/total\_students)\*100

print("probability of student scoring more than 60 marks in reading :",probability\_of\_students\_scoring\_more\_than\_60\_in\_reading)

output:-



# Probability of student getting above 90 in reading

Code:-

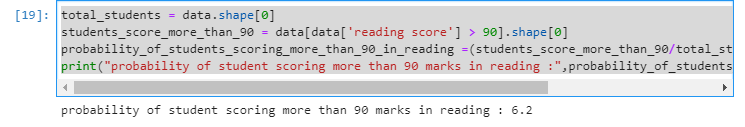
total\_students = data.shape[0]

students\_score\_more\_than\_90 = data[data['reading score'] > 90].shape[0]

probability\_of\_students\_scoring\_more\_than\_90\_in\_reading =(students\_score\_more\_than\_90/total\_students)\*100

print("probability of student scoring more than 90 marks in reading :",probability\_of\_students\_scoring\_more\_than\_90\_in\_reading)

Output:-



# Probability of student getting above 35 in reading

Code:-

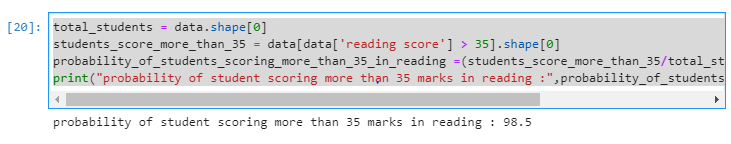
total\_students = data.shape[0]

students\_score\_more\_than\_35 = data[data['reading score'] > 35].shape[0]

probability\_of\_students\_scoring\_more\_than\_35\_in\_reading =(students\_score\_more\_than\_35/total\_students)\*100

print("probability of student scoring more than 35 marks in reading :",probability\_of\_students\_scoring\_more\_than\_35\_in\_reading)

Output:-



# Probability of student getting less then 35 in reading

Code:-

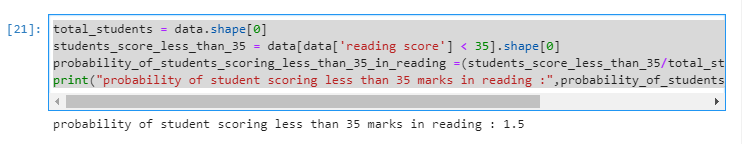
total\_students = data.shape[0]

students\_score\_less\_than\_35 = data[data['reading score'] < 35].shape[0]

probability\_of\_students\_scoring\_less\_than\_35\_in\_reading =(students\_score\_less\_than\_35/total\_students)\*100

print("probability of student scoring less than 35 marks in reading :",probability\_of\_students\_scoring\_less\_than\_35\_in\_reading)

Output:-



# Probability of students passing in reading

Code:-

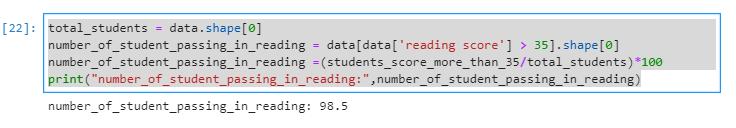
total\_students = data.shape[0]

number\_of\_student\_passing\_in\_reading = data[data['reading score'] > 35].shape[0]

number\_of\_student\_passing\_in\_reading =(students\_score\_more\_than\_35/total\_students)\*100

print("number\_of\_student\_passing\_in\_reading:",number\_of\_student\_passing\_in\_reading)

output:-

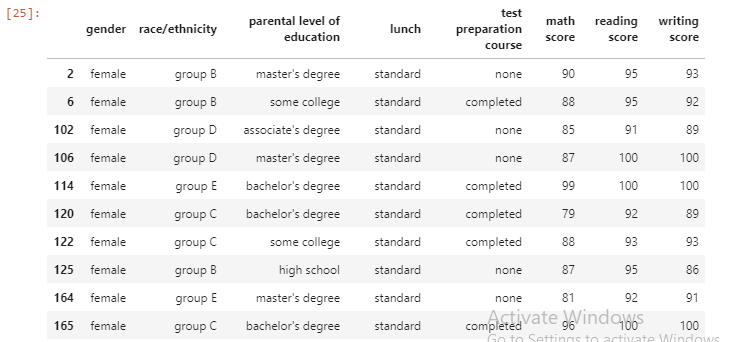


# Number of female scoring 90+ in reading

Code:-

data[(data['gender'] == 'female') & (data['reading score'] > 90)]

Output:-



# Number of male scoring 90+ in reading

Code:-

data[(data['gender'] == 'male') & (data['reading score'] > 90)]

Output:-

