INTER QUARTILE RANGE

Five summary of Day and Night class

	Minimum	Q1	Median(Q2)	Q3	Maximum(Q4)
Day	32	56	74.5	82.5	99
Night	25.5	78	81	89	98

DAY

IQR = Q3-Q1

=82.5-56

=26.5

Lesser outlier

Q1-1.5*IQR

56-1.5*26.5=16.25

Greater outlier

Q3+1.5*IQR

82.5+1.5*26.5=122.25

In our eg no day class is less than 16.25.Moreover no day class is greater than 122.25.Therefore no outlier in our dataset.

NIGHT

    IQR = Q3-Q1

        =89-78

        =11

Lesser outlier

    Q1-1.5*IQR

    78-1.5*11=61.5

Greater outlier

    Q3+1.5*IQR

    89+1.5*11=105.5

In our eg night class 25.5 is less than 61.5. Moreover no day class is greater than 105.5.Therefore 25.5 is outlier in our dataset.