Student placements details are used to Calculate the IQR and lessor, greater outlier, min, max from dataset.

IQR	107.0	15.1	12.1	11.0	23.5	8.31	60000.0
1.5rule	160.5	22.65	18.15	16.5	35.25	12.465	90000.0
lessor	-106.0	37.95	42.75	44.5	24.75	45.48	150000.0
greater	322.0	98.35	91.15	88.5	118.75	78.72	390000.0
min	1	40.89	37.0	50.0	50.0	51.21	200000.0
max	215	89.4	97.7	91.0	98.0	77.89	940000.0

What is IQR?how its Calculated?:-

- **IQR-Inter quartile range –> outlier range between quarters in the present dataset.**
- **Where,**
    - **IQR=Q3-Q2**
- **Q3:75%=data point, Q2:25%=data point.**
- **Values are:107.0,15.1,12.1,11.0,23.5,8.31,60000.0**

1.5rule(1.5*IQR):-

- **Values are calculated as 1.5times of IQR.**
- **Values are:160.5,22.65,18.15,16.5,35.25,12.465,90000**

Lesser(Q1-1.5rule):-

- **The interquartile (IQR) method of outlier detection uses 1.5 as its scale to detect outliers.**
- **the method dictates that any data point that's 1.5 points below the lower bound quartile or above the upper bound quartile is an outlier.**
- **Values from q1 and 1.5rule subracted and get lesser outlier in dataset.**

- **Values are:-106.0,37.95,42.75,44.5,22.75,45.48,150000,.**

Greater(Q3+1.5rule):-

- **Values from q3and 1.5rule add and get greater outlier in data set.**
- **Value are:322.0,98.35,91.15,88.5,118.75,78.72,390000**

Minimum(Smallest values in dataset):-

- **Values are sorted is minimum order in dataset**
- **Values are:-1,40.89,37.0,50.0,50.0,51.21,200000**

Maximum(Largest values in dataset):-

- **Values are sorted is maximum order in dataset**
- **Values are:215,89.4,97.7,91.0,98.0,77.89,940000**

Conculsion :-

- **In this student information we are performed IQR with performs 50%data points different with IQR values.**
- **1.5rule, lesser, greater outlier are calculated the potential outlier**
- **Min and max are sorting the dataset based on minimum and maximum values.**