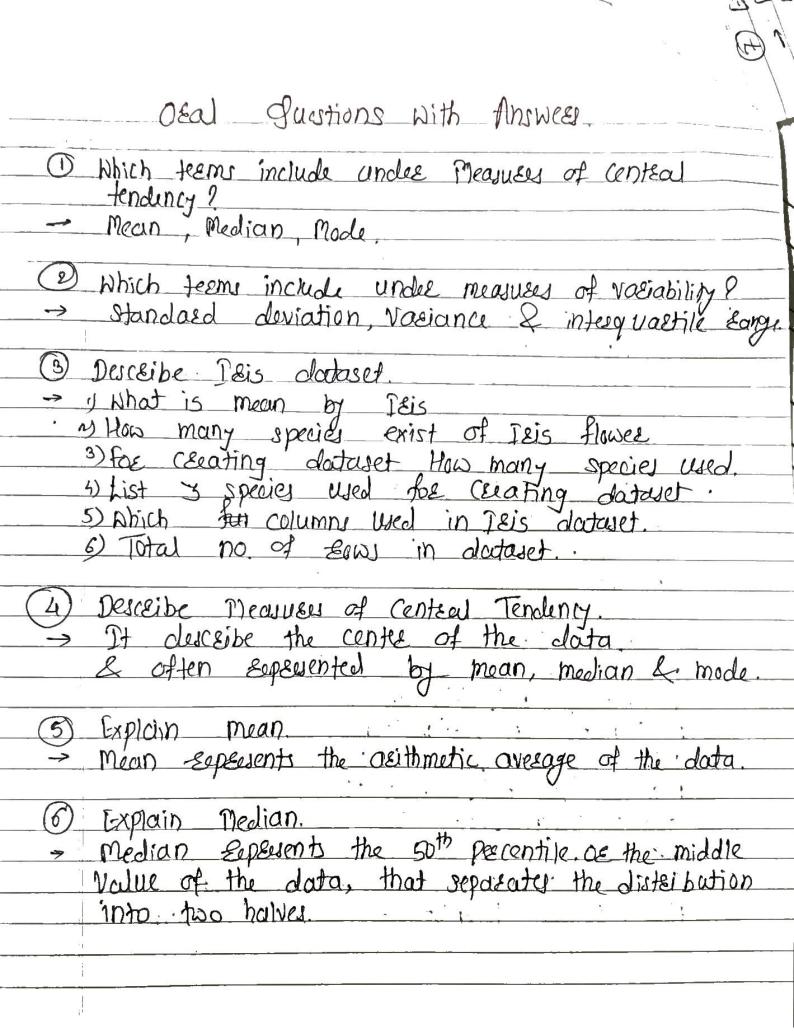
## Assi 3 - Descriptive Statistics. Csv file Datasel - loan data set csv Jeis Dataset Reguleed Libearies: impost pandas as pd impost numpy as np "impost matplotlib.pyplot as plt impost seabosn as sns from sklearn.datasets impost load Isis. functions useddf = pd. Eead csv ("Teis data sed.csv") df. head () df. shape df. info () df. desceibe() plt. show () mean = geouped\_df.mean() median = geouped\_df.median() median = geouped\_df.median() min = geouped\_df.min() mox = geouped\_df.mox() std = geouped\_df.std() df. skew() Do all operations on each column Also Dean boxplot for each column



DExplain Mode-
THE POUR TONT A HE
Naticiple in the data most frequent value of a
8) Explain Standard deviation.
quantity the amount of vigilities of used to
quantify the amount of vasiation of a set of clota  Nature from its mean.  A low Standard deviation for a set of clota
- A low Standard deviation for a variable indicates  that the data points and to be a variable indicates
that the data points tend to be close to its moon.
2 vice vesa.
9 Explain vosiance
It is squage of the standard down to - 0 4
Consciance of the soundom variable with itself.
(10) Explain Interquartile Range (IDR) Measure of Statistical dispersion
- Masure of statistical dispersion
- It is calculated as the difference between the
upper quartile (75th percentile) & the lower quartile
Das is percentage
- IOR is a very important mouve for identifying outliers & could be visualize using boxplot.
Owneed a could be visualise using boxplot.
(2) Explain from outliess.
Thus arrested femiliar of the welly areally of
-> - outlier are always give Drong direction for Jour expected results.  - Outlier always talk about extremities.  - Too small or too large.
Too small as too locan
TOU SINUL UC TOU LUGA.

Explain skewness
The is wed to measure of symmetry or lack of symmetry.

The skewners value can be positive, regative or undefined.

- In a perfectly symmetrical distribution, the mean, the median 2 the mode will all have the same Nalue.