EXPT.	NAME M T W T F S S
	EXPERIMENT NO. 4.
	AIM: To theat missing values with different techniques in python.
	THEORY:
	Missing data is a common issue in neal-would data sets and can asise due to various neasons
	failures. Handling missing values effectively is
	essential to ensure accurate data analysis and eliable machine learning models.
	Types of missing Data:
	Missing completely at Random (MCAR): The missing values accus sandomly without any pattern
	Missing at Reundom (MAK): The missing values use selated to some observed data but not the
	missing data itsplf.
	nissing Not at Random (MNAR): The missing values have a specific pattern and are dependent on unobserved factors.

Teacher's Signature:____

EXPT. NAME Techniques to Handle Missing Volues 1) Mean Imputation: Replaces missing values with the mean of the colon (2) Median Imputation: Replaces missing values with the median of the column useful when the data contains outliers. Most Farquent (Mode) Importation: Replaces missing values with the most frequent value in the column, effective for categorical data. Figst, we will extend the nequined columns from the dutaset that contain missing values The median strategy is useful for handling numerical data that contains outliers. Missing values in Age and Experience columns are replaced with their spective median values. The most - frequent strategy replaces missing values with the most common value in the column This method is effective for categorical data but can also be applied to numerical data.

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CONCLUSION:			
Handling mice		A	mpontant step in
data para	ing values	is an	m for in the
Ct or a lear the	ressing.	in choile	of imputation
37 Faregy de	rends on	The natur	e of the data
· Median impute			
		request inp	outation is effective
for categorical	data.		
		31	
By applying to	rese technica	ups, we ev	rouge that missin
data does not			
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machine leagnin	g model	pentona	∽ (P·