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	Title : Del
	Title: Data wrangling-T
	Pooblem Statement:
	perform following operations using python on any
	open source dataset.
	1. Import all required libraries.
	2. locate an open source data from the web Provide a clear description of the data and
	its source
	3. Load the dataset into Panda's library datafron
	4. Data processing
281.	Check for missing values in data use pandas
	describe () function to get some initial statistics. Provide variable descriptions. Types of
	variables Check dimension of dataframe
	5. Data formatting and data Normalization.
	summarize the types of variables by checking
	the datatypes of the variables in dataset
	If variables are not in correct datatype apply proper conversions
	6. Turn categorical values into quantitative variable
	learning Objectives:
11 7	- To learn and unaerstand and willy
3 0 7	- To perform date preprocessing, formatting and
	- To perform one hot encoding on categorical
	variable.

Learning Outcomes: Students will be able to - Perform basic data preprocessing data formatting and all data normalization - perform encoding for conversion 5/10 Requirements: Windows 10 - 64 bit, 8GB RAM, 256GB SSD intel 15-8265U, vs code, Python 3.8 When working with tabular data such as data stored in spread sheets or databases, pandas is the right tool. Pandas helps to explore, clean of restore data. In pandas tatatable is called as dataframe Importing data from each of these data sources is provided by function with prefix read_* Similarly to * methods are used to store data when selecting a single column of pandas Datafrome, the result is pondas service To select column use label of column in [] A pandas sories have no column labels but have now labels The describe method provides a quick overview of the numerical data in dataframe. Pandas represents missing value with special float value NaN series is na() of series not na() can be used to filter rows, dropna () is used to drop yours with missing values filling can be used to fill mus with missing data method "ffill" for forward fill from previous rows categorical variable takes on a limited wally fixed number of possible values. They might

deshape returns and tuple of the shape of underlying data. desize returns number of elements underlying data. of astype (dtype) converts / casts the type of an object to the specified dotatype. Analysis/ Methods: The given dutaset contained B580 mwsx 21 columns with some missing values in some columns that was filled with default o. some column data cells that didnit satisfy dtype were converted to numerical variables by the use of get-dummies (). The end result were printed on console of dataframe was save in file. Conclusion' successfully performed the mentioned operations on the given dataset.