Third Program

we can extract the .CSV, excel data using read-csus method which is available in pandas. impose pandas as Pl df = Pd. Sead-CSV (& C: USEX Admin Destrop Child Laborex-CSU) file Path Your strong, to correctly handled backsloshes in file puth If python program and cooxesponding csv file present in the same folder no need to give the file fath. we will directly uses filename in the program. ex: df=pd. sand_csv(Child Laboux-csv') of. 3happ -> it will give you count & column count of collins - it will display the column names. of dypes - it gives list of column names & data types. of info() - it gives callimn names, data types, not null count, Tows count, Calumn Count, Tange indolo... 2W, Size df. describe() > it gives count, mean, standard deviation, min, man, 251, 50%, 75% of all the data types except object df. head () -> 16 gives top 5 records. of tail () -> it gives bottom 5 Decords. de 6h- de had (1) -> it gives top 1 sacord df. tail () -> it gives bottom 1 second. of duplicated() > it gives Trues (false True means duplicates are present in the file. of duplicated ()- sum() - it gives no of duplicate soroids diplicated = of [of-diplicated()] = it displays the duplicated data.

df[States]. deplicated()-> its gives calumn wise deplicated
df('States'). deplicated(). Sem() -> its gives column wise duplicated counts duplicated_states = df[df['States].duplicated()] deflicated-States -> it points the column wise duplicated data C State Column. df.dop deplicates() -> it deletes the deplicate seconds df ('States')-doof-duplicates() -> it deletes the duplicated data from the State calling. a=dft States']. doop despliales() of C'States') -> it gives all the data which is probent in the State Column. After execution of drop command on states collemns you can execute of ['states'] we can see duplicates which means that deplicated seconds still exist in the Pala frame. df-doop duplicates (Subset = ['Categoxy of States']) It deletes the displicated verseds bused on callegory of States Callimon. of It will give all Decods which many that not impact the data frame. of doop duplicates (Subset = [Category of States] inplace = Txle) inplace = Tale means modifications divectly to the dataframe. no med to assign result to the

you have to copy of the original detaframe. df. isnuff() - it gives Toue | False. Toue indicates NULL. df. ismullc). sumc) - it gives collemn wise mull value count df. ismull(). Sum(). Sum() - it gives total mull value count dfnull = Pd. xxid-csuC'child Laboux NULL') df-nutle).sum. sum() - df-null.isnulle).sum().sum().sum(). df Author-of null. fill na(1) -> filling all null values to 1 of most isnull(). sum(). sum() -> Now it shows O df-null. fillma (2'Agriculture': 0, 'Construction': 13) of null & isnull(). Sum() -> you can see null lalles for Agriculture and Construction Columny. To everyone this we need to us below command df-null ceptate = df-null-fillna (EAgriculture': 0, Construction: 13) of null update df-neell replate. isnull(). seem() -> Now, we didn't

See any null values for Agriculture A Construction

Il man 11 df-null-fillm (6'Agriculture': 0, 'Consexuction': 1), inplace=Tour Of-nell df-null-isnull(). Sum() of null-despro (how='all') -> doop all mull blue; of new dooping (how= any) -> drop any new blue of-nullismullisum () -> see null values. of null delete = of null dopper (how = 'any) Of-null-delete

"\W -> Replace all non-wood characters with an empty string of nell-delete. isnull(). sum() > no null cally of-St = Pd. Dead csv(child labores special csv) df.Sfl Category of States! Category of states: df. sf (Category of States!).

Category of states: df. sf (Category of States!).

Deplace (8\W', '', Degen = True) Calgory of States

df-Spt States']

States = df spt States'). Xeplace (8'\W', ', Xgex = Txle)

States States = [States for States in df ['States] if States Stoig () Mass William Point (the total no of Dows & g'in! the total no of columns & g'. format (df. Shape [0], df. Shape [1])) of doop (Category of States; axis-1) > doop the Category of States Collimn. df.dxof ('Category of States', axis=1, implace=True) df.doop(1, axis=0) -> doop the first xow: df.doop(1, axis=0, inplace=Trace)

Somme Calemns = L'alegary if Category of States in colons else 'Agoi' if 'Agoiculture in colonne else colname for colname in of States-match = df ['States'] = = 'Andhioa Pisdesh' States match -> gives Tour as falle. States-match= df[df[Gates']== Andhis gadesh] States-match States-not match = df[df['States']!='Andhisa prodesh'] States-not-match of ['States'] - Value counts) -> gives the count of Fales dft 'States']. value Counts(). flot () of C'States' J. Value Counts (). Plac (Kind = bax) df ['States'] - Unique () -> gives unique records de l'States' J. nunique () -> gives unique record count de ['Manufactusing']= de ['Manufactusing']. Explace ('9.9', 99 dfl'Manufactusing')=dfl'Manufactusing).astype ('float') df['Manufackeringi) df. dlypes converting the datatype from object