* df[columns][rows] import pandar as pd -- Pandag Ldatatrama - MINI Data = pol. read_csv ('............................) - likk google drive from google colab drive mount (' ... poth = ') . hedd (x) quiz-vily mins x mosmin poliread_csv ('It porth lu google drive la sor) . toil (x) - ocolumns => เป็นกฎกอลัมเกรียงกฤ - shape > evicio nuo ? Turn? - df [[culi, culz, ... cdn]) sa sintumu vinison - .describe() => voya idosmu द्वाग्वरू IL D adorguish sareon grammin HANDINUU AVVOLY iloc() - By Index Tahair Moinu .loc[) - By label yourson table Select Single Pow olt. loc ['r2') dt. iloc [1) Sirgle Column of.lac[:,"_"] df.iloc [:,0) Multiple Pow of. loc [['12' '13']] dt.iloc[[1,2]] H. Loc [: ["_" ,"_"")) Multiple columns of. iloc [:, [0,1)) alf. loc ('r11: 179") df.iloc (0:4) Rows Romye Columns Range df.loc [:, 'E':'_ ') df.iloc(:,1:4) Alternate Row df. iloc (0:4:1) df. loc ['x1': 'x4: 1) df.iloc[:, 1:4:1) Alternate Column df. loc [:, '-':'-':1) df.iloc [list (df['-') > ...)] elsing Condition 6(f. loc [df ['_'] >=...] off. iloc [lumbda x:x [3]) df. loe [Lumbola x:x (3)) Using lambda function F-elf-elge if Bouluromproson W==,!=, <,7, <=,>=, in, is-null(): ถ้าเป็นสวิง ท่างหนุพี่ 1 elif เร็ลนี้ที่จะพรรรอบพ่อไปสาเร็นเป็นกับและ ไม่เอเมี: กาษาคริง ทางกาที่ 01 else: * mm รอบ เรื่อนใบบ้างผม แล้ว ไม่ชนาริง MIDILIAY X Ex import numpy as no if score > 40: print ('A') quore = np. random. uniform / 60,100) print ("score = " np. round (score, 2)) elit score) 20: print (181) else: ovint (1/1)

D Loop: for for multinasion กลา in อัสสากัพองการอารามอุป: do something Ex for X in food: do another thing Print ("I like", X) this is artside the loop 1) I. like - shu shi V Loop: for, while while true-condition: EX may count = 5 do something aunt : 0 while (count a mor-count): print (count) count == 1 > Function def Bowsdow (inputs, input 2,...): - Set (df ('col_name')) do something "gaille col-name form Listiale" do another thing Ex col-name set (['col-name's)) return ontput Missing Value checking - of. isnull /) & True = missing value . all () 1101 A) DISTANCE COLUMN ON AND ALL (11) MILOS MARIES MILOS MARIES · any() 101 al anoughly column in or the (mongraporants of mile) 11 . avog(). avy() idash no de state nall udoy 10 * . dropna () and record with Missing value 5 subset = ['col-name] " Mon jam: ain'of su column - (Quad no nog la col-name) A apolate Nor in place: . dropna (inplace = True) False auno voy oralizar # line missing anvahirmen: . fillna (- in place : true)

momisson min Y (minoripatous)

pol. concort ([olf1, olf2])

- molumesmu X (minoripatous)

dfr['] = dfr['Ek'). map (df 2. set_index ('PK')['limsortoo:15')]

M Group by

df. groupby ('col_name')

ISTALIO (Quatosiden) 15to Const Column Portigionin

- . sort-values (by= _ , ascending = True HOLY - > NO

- . max () .min() mean ()

- , head ()

- · reset_index => 16 9vio & hydmas 9

Hom Index lux Ex. USS orn montos = hori
onnith Index lux