sep=\ma. Single array Ima dataframe. Li Rome (values, ida). Covorason these arrays based iterable) LTER.

Previous the entire veray if

Applied on each row of the parent no FILTER Delistron o mi overay. True). Edd. Filter (lambaa a La All pass filter. iterable (Arrays) Filter is applied of Applied on al -Dinside the parent/ weapper iterable Distinct La Returns unique objects inside Left to right



क्रिके Right -> Chaining mothed used.

froup By key. + Apply some function-Requires "input" in a particular box (keys val) × or man. train this we I to analyse + (key, value)a La Tuple.

Returns -

the

iterable

Scanned with CamScanner

Requistbe Le Function
Le Function
Le Reducer Le Jameda 2, y ! for y)
Always chr. for the kind of object one value
Applying we for on. eleng, iterable Map (Lambda & Sum(x)) - Avecus Map (Line), est) tart-file Lambdia x, y 2x+4, 1.9 inch-estimate) _ : Enotition sells TUPUT March it Noish Reduce By Key (In) e) maple tambda a <acrays map . J. € 3 e tuput o split (") - Abycot = Array befor apprepriated > Iterable of tuples be (Rey, val) o s braing indeaper FLATMAPstray of. tulles

SNOT. 1.0C. 11,20 abolinate observation all the W;W - o Callect () the progra the was volures

iterable

Continued to

b length of the weapper list

count By Value (1) -> Value_ counts() Subject - Children [[Man (lama ! groupsy key () (C) any xx (x)

0 some As Text File () o- Spork rad instance some the file to the specified COO CON By default creates partitions/clusters of Ecz on which it perform. Trans permotions. folder folder Lomkdie () path = (thus)=2 passition as one act Somedi

Edd getNumParchitions XXOS rejusters. ed.

L. now process will

be divided across

Clusters

The process will

be divided across -) we can increase on docrease the #01. Month of the County of Many Prince Lo Edd. separtition (number of-clusters = 5) **9**

o Repartition possed - twee -

How to distribute memory

How to distribute memory

Each Rad instance can have different

Commits. O Clusters in which the desta interpretation of the

THE TOURS (ODE)

groupsy or Reducer groupsy needs input in typic of (key, valo).

INPUT (tax > sop = 1/2" /h"

Row - Name, Rate) This valuall and

Account of suples pame, (fuple of sum, ct) man (a 2 (2 split (,) (D), 1) (int(2 split (,) (1), 1)) of sum, court.

Reys + Apply In on second Revay of the tuple.

Maps lamida &: (3-[0], 2[1][0]/ x[1][1])

Reduce Grown By (1 x jy'. (x [0] + y[0] , x [1] + y[1])

social of tuples-