POI	Cate 1 3 2021
Topic	
	Experiment-7
9	Ha Broadcasting-Variables
	Orlate a morries RDD using morries. +xt. Split the RDD based on ":: "as delimeter. morries = sc. textfile ("FileStore/tables/morries. +xt") • map (lambda x: x, split ("!::")) morries. take(2)
3	vilate a fair RDD mith monie ID being the key and monie name being its value. monies pair = monies map (lambda x: (x(0], x[1]))
3/1	Display 2 elements of ROD by using taker. mouils pair . take (2)
417	Broadcast data as dictionary broadcast var = sc. broadcast monies pair. collettstape
	Validate type of variable value. type (broadcast var)
6 1	create a ratings RDD wing ratings. +xt. split the RDD leased on ":" as delimiter. ratings = sc. textfile ("Filestore / tables / ratings. +x+") . map (lambda x:x. split ("::"))
	Teach e r's Sign atu re

POPUe	
	ate
7 Display 2 elements of ROD using tak	e ()
-> ratings. take(2)	
§ Map movieids in ratings ROD to mon from broadcasted variable. > movie ratings = ratings, map (lambda ? broadcast var. get (2501), 25	ierames
from broadcasted variable.	
- mouil ratings = ratings, map (lambda ?	r: (
broadeast var. get (200), 21	[2]))
9 Display 2 elements of the RDD using.	take()
3 Display 2 elements of the RDD using . 5 movie ratings. take(2)	
5 print (movie ratings, to Delug String ())	
- buent (movie ratings, todeling String ())	
9 7(le) Accumulators	
Company of the second of the s	
1 cuate an accumulator num.	
-> nem = sc. accumulator (10)	
2 Defene a function functor	
Flef func (x):	
global num	
num += 2	
TUNN T	
Teacher's Sig na ture	<i>.</i>

JANU

PO	PU PU
Торі	Date
3	initiallize a RDD using paralllize function. mylist = [10, 20, 30, 40, 50] myrdd = sc. paralllize (mylist)
4	Pass function func to foreach to RDD. Initialize a RDD hoing parallelize function. Myrdd. foreach (func)
5	Print the Accumulator value. Siral = num. value. print ("The value of Accumulator is: "/·i" of (final)
	Teacher's Signature

OUTET: [['1', 'Tay Story (1995), 'Animation Children comed' ['2', 'Junainji (1995)', 'I retremente I children of Fantay]]

Out[3]:

[(12), (Toy Story (1995)),
((22), (Toy Story (1995)))

Out[5]: pyspark. broadcast. Broadcast.

Out[7]: [[12], (1132), (57, 1978300760]] [(12, (661), (32, (3283021092]]

Outlid [C Toy story (1555) 3 (5°) 3

OUT[10]:

6'(2) Python RDD [3] at RDD at Python RDD. scala: 58 [] \n 1
File Store / tables / ratings, text Maple at tions RDD [6] at
textfile at Harine Method Accessor Impl., java: 0 [] \n
1 File Store / tables / ratings, text Made approp [5] at
textfile at Native Method Accessor Impl., java: 0 []

Outputs.

Out[1]:

The value of Accumulator is: 160

mylist = [10,20,20,40,50]

of sold at vine population and story

TOWNER OF THE PROPERTY OF THE PROPERTY OF

CONTRACT OF THE MICE

is demonstrated in

indion i simple to the individuality takes.

e escargo de dosta, so diexiónmente

THE SHE IS NORGHARD VOLLE.

HOSTER DE COTHE OF SHEET DEED A FROM YOUR FEET.

Control of the state of the state of the control of