USE various dalacto Pay Libbe Taple lask th and Dictionary in flython Programmins To use various della type, 1, 67, Tuples and bictonave Jim! Dyou are working one Rothon Project Jantréquires. in Physhan Programmins. you to manage and manipulate alist of numbers your Easi is to create a python program that demonstrates are following life operations; Algovidam's 2. For adding elements to a list Pirst Create allist with name "ITSt and assign the values widAIn[] bruchets in order to add a new value use the function append () 3. Per remains aspecific element use Pop index Walve)" or remove (item named). 4. For Sorting the Clement use "sorted (1154)" 5. For Rinding minimum value use min list)" and Cormanimum use "mare (186). G. For Sum use Function "Sum (list)" and for guranse use the formula Sum (1786) len (1787) 7. Print the aliput, 8 : iznd -Gradram; #Add Element: Add elements to the list. (ist = [10,20] 0=30 list alrend (a) Print (1: 8E) The Remove Elements: Remove Specific elements

out Pat: Marine S. J. Miller B. B. B. B. William [10,20,30] [10/36] Michael Congression of the Congr [30] [30] The minimum value is: 5 The maximum value is: 89. The Samis: 156 The Sum 12 The average: 26 0. A STATE OF THE STA · Print to the series of the s The first one of the second of I HOLDE END DAVY And the second of the second of the second to the you will (30 x7 - 20 .9 energy of the second of money 1 Simulation

list remov (ie) It po i temname Pront (1.84) # SETT Blemenas: Sort the list in diasentally and descending order 2=[5,8,9,15,30,89] Aint (Soread)(1) # Fine Minimum and maximum: fine the minimum and magimum elements in the list. Print ("The minimum value is! " min (1)) Print ("The maximum value is: "man(d) # Calculate sumane Average Print ("The sam is;" Sam (1) Print ("The average is: ! ((Sum()/len())) b) Saire Lassed with Creating a Bython Program that Sarous cases sperated on eyeles. Tuples en ? immulable sequences similar to lists but with the key difference that they cannot be Changed after Cretain, your program should illustrace de followins culte operations. Algorida m: W8tar t 2) To create a Euple use "Euple-name=(values)! 3) To access the elements of a Eaple either use tae index values (Euple-name (intervalue)) or laplesticing (Euple-rame [start: end) 4) To concotentate tuples use the orcider f (typie) cupic 2) 5) Tro to modify the culter element by cosid his dep ra mes directly like; Euple (Indery) = new-volume, will result in an error asi's immutable. Print the output. 2) rend

407 S output; (10/he110, 3.14/word) of the many of FEBRER GOVERN (0) nello 8.14 Williams Section 14 world The remaining of (hello, 3.14) a Yrada Marianona tam Clothello, 3.14, world, 5,0,5) prince (The sum is! sum (i))

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Program, # Croate a Eure: Define a tuple with elements of different dat topes (10, ne110) 3-memor las Eurle=(10, 'nello) 3-12, world) Print (Euple) TH ACCESS Elements Access individual elements and slices of the tupic. for i in Eurlic; Print (i) Print (Eure[1:3]) print (tuple [:-]) I Concotenal e queles: Combine Eustuples to Create area tuple. te = (8,00) ED = Enpie + E2 I Immutable hature. Attem 12 to modile element of the tuple and handle the resuling error taple (a) = PI" # Error. (3) Vou are tasked with creating a pathon that show cases operation on dictionaries - Dickmy in Rython are unordered collections of items. Bach item is Pair (consisting of alress are value, Algorian ! I. Share the Program 2. Define a dictorary withker pairs of different 3 - REETE values from the dictorary History dala egres. Corress fondies 19845! the modify oichonary. 5- Reportive over Dictinans 6. Step the Program.

outens § name : Alice; ao ei30; EIEO: New York an'ce Ename: Iname: key:name Ken long e dict-items ([(hane; Jame), (age)30)) Ingeneral Community of the Community of

Program!
to create assictionary, define a dictionary with
crowne de l'anne Alice as
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ACERS values: Nees
a A-Carationes
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	TOTAL (20)	20
	SIGN WITH BATE	13)8

Thus, various data topes, list ruples and Result " Di CElonor o in Bothon Programins coas Used ome verified successfulls.