Day 4 9000 000039 1) procedure declare. two variables a and b S'et a to non-zero. Value 86f pof 6 +0: 17:3 - (.buil.) 19 gondenti D. Osilbidin; fry plack: attempt to divide a by b result in another variable. result exception; battos I gom - morpons catch. the Asithemetic Exception 1:26/07. au .61101. mollado end toy-catch block end procedure show obuses (+ 2) Array Bound . Ot enception Procedure Badmon to Hers, In Instialize atmr J = {5.67,8,9} set avariable index to a value-grave than the array's length End. Place: 31113 = 1039 mout - William Aftempt to access the array element Index rod corpor - BY 132 IN AREL 37 exception. catch Array Indemout of Bo und Enpeptor

display Actay message Scanned by Scanner Go

use a hash map pseudo. code s. Procedure 3 roab-avadrams. Catalus e: 1:85 Builty to tail to tail a c- C. Built to Fo initialize a Hashmap: anagram - map 2 80x fed -s = 80x f (2) 11 +) 12 onagram-map [so (ted - 6]. a ppent cragram_map [sorted_s] = [s] list (anagram - map. values ()) 4) pseudo code FORMOR PURTA Proceduse n= length. of numbers expected som = n= (ne 1). (2 actual-sum = . sum . (noum bens) wissin - namper = expected - som -actual-sum return - missing - number.

bse ago. Togé brocogare absitracticiassistatisities: abstract. function. total (data 175t of () ing umm abstract. function average (data; Carod mun to 1811 function. mean. captas list of numbers); total.-sum=-sum(data) count = length of data retain. total-8 mm/conne 6) beengo code for creating an in fersace. with 4 me thods (add, SUB, MUI, div) DODO PKA DORE 1911 680 cegare, oppop, brong, interface calculator: function add (a. number b. number function. sobla: number b: number) function mu ((as number, 6: number) function div (a. number, 63 number class simple calculator implements calculatora **Scanned by Scanner Go**

sunction add (as number of mamory return a +6 function. 806 cas number, 6: number return.a-6 Janction mul Carnumber, Be, noumbon, returnato function div cas number, banumber) returna/6. 7) pseudo code: for creating 3 in procedure. interface comcalculator; sunction sum (data: list of number; inter sace. Any carculatois in function and Cautas. 13st of number interface percentage calculator; function: percontage co braines - marks number, total - marks 1 neimber total -sum = amor for each number in data; total-sum -= total-sum in umber return total = sum **Scanned by Scanner Go**

point ("sums" , wesult = sun) repalificad = care, and (gata) bring (..., and : , result = and) result - percentage = calcipence ntage (data) bejut. (, berce weader, leza (+percentage:) s) pseudo code sox creating an in tensace on a brocegnie? of spor ophosa intensace Preen and and mod tun (Gon . fouits : quantity; number, +Rb6: 2411261 function. (Eaves. Quantity. 3 number - fabour spelle : coloans explus function. flowers c quantity mumber 1927) 193/198 63.8 (1060x; string season. implements tree? fuction frients (quantity: number Hype", string) 3 **Scanned by Scanner Go**

int (a Browner I was, I may table ("·oissive" sunction-towers. Chambers. Chamber type . . staing & colour. string season? string Jo Print ("Branchi has") quantity tupe; "flowers of" colour, "colo that 6100 m in", season; ".") pseudo code to demonstrate how to sind . the union interest procedure: Junction set operation (): set 1= (4eate set ([1,2,3,4,5]) set.2: - Create set ([4,5,6,78]) union eset = 6 reate set (set) union-set = add All. (set.2) print ("union of setir and set2:" anion _ set)

intersection-set = (soat-set (set)) intensection: set = retain All (set 2) brint (, intersection of set 1 and 2935exence - set - create 8e+2") 10). brocegare declare. scannos class initialize base = 4 exponent=3 using the intuit function assign. pow = . Mather . power display. Le result end procedule