Capgemin (Coding Challenge) 1) paroblem Statemet I have write a function that a cooper a Storing which length is " len" the Storing had Some " #" init whave tomove allthe Hashes to front of the string and reducing the ushore Storing back & printit Python S = CC Move# Hall + both Forond" hashed= Schoon che in 8 if ch== (#2) Others - Echforch in SIRch 1 - CHI] (see also + leadles + office of paint (see all) 2 passems tatemet

MTWTFSS Crivena Storing with Consecutive duplice ate characters, compress 11 by suplacing consecutive duplicates with chanacter fall Duedbyits Cont. python S= craabbbeeeffggg? [2 = bollergma) : (12) de l'aproprenier col - llo Comprossed append [SSI-I] + (Stace ount) if court > 1 8180 " ") Compressed. append(SC-17+(Str)(Count)if result - (). join (compressed) Paint Carelut) OULPUT - a 264848293 3 Problemstatenets Cspinal matrix Tomer Given an mxnmatorix, tonaverse ite ele etsinaspinal order. Python

Date: I pul: 1234 9 5 3 2 9101112 13 14 15 16 17 18 19 20 output:- 123481216201918171395631 15 1410 code : (xirclom) repres paralogias 190 if not materix: [] overland Lop, bottom = 0,1entmataix)-1 1-([0](xichom)mely 0 = 1dgie, 1916, The sixtem) broader is to 2 if tops-pottom: fear In anange Carigory 1811-122

MTWTFSS Date: bottom -- 1 1+ 10pt = 2 ight for in hange (bottom, top, -1,-1): (1-1991911) xiatam hagga. eac. Seconcutore 1-xicked S1,2,3,4) 55,6,7,872 19,10,10,1071 513,14,15,16], 517,18,19,20 print (Spiral Onder (matrix)) problem statents (count integer occur Ortven anarray of integers could printeces of each unique integer in formal. Enumbers orans/contitines. Input: 12 334 145 12 output - 1 occurs 3 times 2 octures 2 times 3 Octom32 Kings 40 cours lines 50 cours Himes

MTWTFSS Date: Codo ann= 11s+cmapcint, inputch splitcolling Pacq = }? for numinass. for numin Soort ed Chread: print Ct a grung occurs gloreglan ?? II 5 Peroblemstatenet (Solve Equation) Criven values for a. L. Se (& complete est a3+a2b+2a2b+2ab2+ab2+b3 Codo:a.b. = map (intripput (). Split ()) 2 * * a = 1 mrest teams = axx2 x b term3 = 2 * a * 2 * b term 4 = 2 * a * b * * 2 term 5 - a * b * x 2 term 6 = b**3 enest + Emrest + Connest + Connest - Alusage 4 team 6 (tusere) tring 6 Problem States A function tell us 1. Howmany debuler ship there are

COMPASS

2 The total no of cardineach dealership our took is to calculate how many Eyo would be in each dealership. Input! out put :ode:-N=intanput() Par Ingrange(N): Value = float(input()) Integer- part = int (value) decimal-part = value-Integer part decimal-typres - sound (decimal-pas Lotal. Lynes - Inleger part * 4 + decis al-tyres Print (total. Lynes)