Programming Using C

week 0 practice session coding

Name:K.Kamaleshwaran Department:AIML-'B' Roll No.:242501079

Liste & Specien Teachberry. the one algorithms and draw a flavorised Algorithm step 1: start steps: Get the length of the square from the step 3: Find the area of the square A=5 x 5
step 4: Find the perimeter of the square
step 5: Print area and perimeter of square step 6: Hop Flow chart start get length / purimeter . 4 xs nton = 5×5 parint Sample output. Perimeter

white we algorithm and down a flagment to convert the given days into yours and monto step 2: get the number of days from user as x stop 3: compute num number of years; years = x steps: compute % x to get remaining days wanter of steps: compute the remaining days toget months okept: Print number of years and number of step 7: stop x/365 Flow chart Sample output 1 year + 1 month

3 x. No: 3 Write an algorithm and draw a flourfast to check Whether the given number to premo on not Algorithm: step1: stant step 2: Get a number from the user as x steps: Check whether x Z=1; otherwise go to 5 step 4: Daplay x is not a prime number steps: set n=(42)+1, K=2 stepa: 4 K = n otherwise go to 10 step 7: check 27. K=0, otherwise go to 9
step 8: Display is not a prime number, go to 11 step 10: K= K+1 , go to b step 10: display in a prime number step 11 % stop Flow chart Sample output x = 5; 5 is a prime number

24. No: 5 whether the given number is pall notions number or not Algerithm: stop 1: start step 2: get a number from the user as z step 3: 18 x - Z; REN = 0 not equal to 0, otherwise go tor steps: compute K= 2-1-10 step6: new = from 10 + K slep 7 : 2 = 2/10/90 to 4 step & = check whitten = - new, other wix go to 10 step 9: display given number is pallerdrome, go to 11 step 10: display green number is not palednome step 11 : stop Flow chart: No A 30 x= x/10 Dample output x is palindrome

5 x . No. 6 with an algorithm and drawn a flow chard to calculate ? weem of differ in the given number Algorithm stoppes get the number from the over is x - of steps: start step 42 check whether x is not equal to o, go to & \$ = x.1.10 stops: compute stepb: K-K+4 step 7: compute x - 4/10, 90004 stepe: display K step 9: stop Flowchart: x = x/10 Sample out put 8um = 10