



Date: 25/10/24 Ex. No.: VI **Sum of Digits** Write an Algorithm and draw a Flowchart to calculate the sum of digits in the given number. Algorithm: Step-1: Start Step 2: But the number from the user as x Step3: Set K=0 Step4: check whether x is not equal too, go to Step 8 Steps: compute y = x %10 Stepb: K=Kty Step 7: compute x=x/10, go to step 4 Steps: display k Step 9 : Stop Flowchart: Start NO 4 = X 90 10 x= x/10

Date: 25/10/24 Ex. No.: V **Palindrome Number** Write an Algorithm and draw a Flowchart to check whether the given number is palindrome number or not. Step1-Start Algorithm: Step2 - Gut a number from user asz. Step 3 - stet 2= z; rev=0 Step4 - check whether x is not equal too, otherwise go to step8. Steps - Compute K = 2% 10 Stepb - Yev= Yev X 10+K Step7 - z= 2/10, go to 4 Steps - check Whether y == rev, otherwise go to step 10 steps - display given number is set palindrome, go to Step 11. Step 10 - display given number is not palindrome. Step11 - Stop Flowchart: Start get no from set y= YeV = 0 NO Yes check No Yes K= 20/010 desplay not display 10+10 palinarome palindrome x = x/10 Stop Department of Computer Science and Engineering, Rajalakshmi Engineering College



