13/10/23 Simple Strategies for developing Algorithm. D Top-down approach 1) Bottom - Up approach Iteration: -> counter controlled 4 Entry -> Sentinel Controlled 6 Exit => Sentinal Controlled loop E.g: Sum of digits WHILE (n>0): # n ==> Sentinal variable / state Y = n 1/- 10 S = S+Y n = n/10END WHILE

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Write a Psoedo code to print the sum of
    individual digits of a given number
psl
    STA RT
    INPUT n
   ASSIGN 's to zero
    WHILE n>0
       COMPUTE Y = n MODIO
         COMPOTE & = S + Y
         COMPUTE 10 = N/10
   END WHILE
    PRINTS
    STOP
   wire a Psudo cede to print check whether
P52
    the given number is palindrome or not.
    START
    INPUT n
    ASSIGN s to zero, m to n
    WHILE N >0:
        COMPUTE Y = n MOD 10
         COMPUTE S = S * 10 +Y
         COMPUTE ·M = n/10
    END WHILE
   IF S = m:
       PRINT "Palindrome"
    ELSF:
       PRINT "Not Palindvome!"
```

END IF

STOP