

Saturday, 1 February 2025, 1:02 AM Finished Saturday, 1 February 2025, 1:04 AM 2 mins 27 secs 2.00/2.00 100.00 out of 100.00

(1.00/1.00)

Select the appropriate code snippet for the given problem statement provided as pseudocode.

Check if a given number is a strong number. 145 is a strong number because 1!+4!+5! = 145.

ELSE

PRINT "Not a Strong number"

END IF

END

- a. WHILE number == 0
- b. WHILE number < 0
- c. WHILE number != 0 ✓
- d. WHILE number <= 0

WHILE number != 0

The correct answer is:

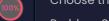
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Question 2

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Choose the pseudocode for the below problem statement.

Problem Statement:

Vehicle Registration

Mr.William buys a new Audi car. During the vehicle registration, he desires a fancy number in such a way that both the number and its reverse are the same.

Generate an algorithm to find that fancy number.

Sample Input:

1221

Sample Output:

Number is Fancy

• a. BEGIN

DECLARE variables number, reverse, rem, temp

READ number

SET reverse = 0, temp = number

WHILE number != 0 DO

number = number/10

rem = number%10

reverse = reverse*10 + rem

END WHILE

IF temp == reverse THEN

PRINT "Number is Fancy"

ELSE

PRINT "Number is Not Fancy"

END IF

END

● b. BEGIN

DECLARE variables number, reverse, rem, temp

READ number

SET reverse = 0, temp = number

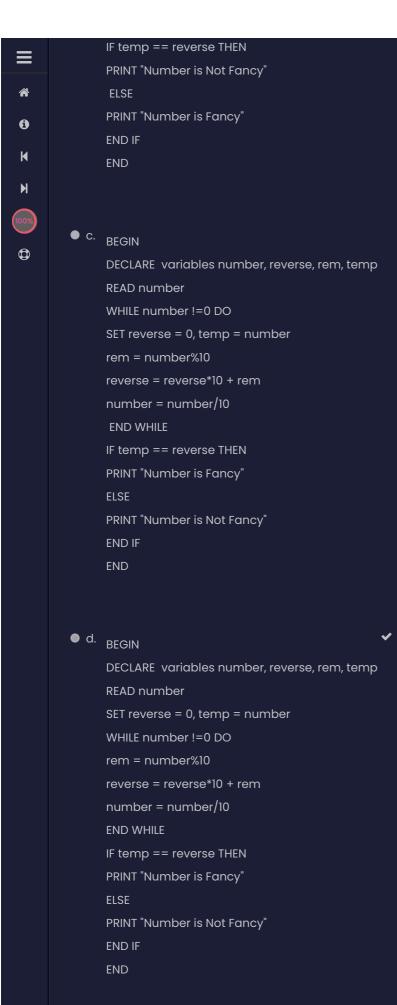
WHILE number != 0 DO

rem = number%10

reverse = reverse*10 + rem

number = number/10

END WHILE





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DECLARE variables number, reverse, rem, temp

READ number

BEGIN

SET reverse = 0, temp = number

WHILE number !=0 DO

rem = number%10

reverse = reverse*10 + rem

number = number/10

END WHILE

IF temp == reverse THEN

PRINT "Number is Fancy"

ELSE

PRINT "Number is Not Fancy"

END IF

END