



Quiz review

Started on	Thursday, 16 May 2024, 5:03 PM
State	Finished
Completed on	Thursday, 16 May 2024, 5:07 PM
Time taken	4 mins 18 secs
Marks	2.00/2.00
Grade	100.00 out of 100.00

52248

52248

52248



Question 1

Correct

Mark 1.00 out of 1.00

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

Problem Statement :

Strong number

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

Sample Input :

145

Sample Output :

Strong number

Code:

BEGIN

DECLARE variables number, sum, temp, remainder, fact

READ number

SET sum=0, temp=number

remainder = number % 10

SET fact = 1

FOR i IN 1 to remainder DO

fact = fact *i

END FOR

sum = sum+ fact

number = number / 10

END WHILE

IF sum==temp THEN

PRINT "Strong number"

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

Your answer is correct.

The correct answer is:

WHILE number != 0

Question 2

Correct

Mark 1.00 out of 1.00

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

52248

- ☒ a. 
- ```
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
IF temp == reverse THEN
PRINT "Number is Fancy"
ELSE
PRINT "Number is Not Fancy"
END IF
END
```

52248

- ☐ b.
- ```
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"
```

52248

END IF

END

☐ c. BEGIN

DECLARE variables number, reverse, rem, temp

READ number

WHILE number !=0 DO

SET reverse = 0, temp = number

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

☐ d. 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

IF temp == reverse THEN

PRINT "Number is Not Fancy"

ELSE

PRINT "Number is Fancy"

END IF

END

Your answer is correct.

The correct answer is:

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
IF temp == reverse THEN
PRINT "Number is Fancy"
ELSE
PRINT "Number is Not Fancy"
END IF
END
```

◀ Palindrome problem

Jump to...

52248



Check Your Understanding ►

52248

52248