/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* File : Lab2\_2.1.doc

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\* Description : Checking Armstrong Number or not

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BEGIN

DECLARE Num AS LONG

DECLARE rem,check,sum AS INTEGER

INITIALIZE rem,check,sum WITH ZEROS

PROMPT “Enter a Number Which You Want to check” AND

STORE IN Num

check = Num

WHILE check IS NOT 0

rem = check % 10 /\*\*\*\*\*\*check MODULO 10\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

sum = sum + (rem^3) /\*\*\*\*\*\*power(remainder,no.of digits(rem\*rem\*rem)\*\*\*\*\*\*\*\*\*\*\*\*/

check = check/10

END WHILE

IF (sum == Num)

PRINT Num + “is a Armstrong Number”

Else

PRINT Num + “is not a Armstrong Number”

END IF

END