

3.2 Write a program which accepts an input of a five-digit octal (base 8) number and then displays the original octal number and the equivalent base 10 number.

For example, the five-digit octal number 12345 is equal to the decimal value

$$1*8^4 + 2*8^3 + 3*8^2 + 4*8 + 5$$

Sample running:

Please input a five-digit octal number (0 – 77777): **12345**<CR>

octal 12345 = decimal 5349