**C Programming Assignment #005**

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PT. Bahasa Kinerja Utama

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**Function**

1. Write the function

void printnchars(int ch, int n)

which is supposed to print the character ch, n times. (Remember that %c is the printf format to use for printing characters.) For example, the call printnchars('x', 5) would print 5 x's. Use this function to rewrite the triangle-printing program of assignment #001 (exercise 2).

Write a program to print this triangle using printnchars(int ch, int n):

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1. Write a function to compute the factorial of a number, and use it to print the factorials of the numbers 1-10.
2. (Kernighan and Ritchie) Write a function celsius() to convert degrees Fahrenheit to degrees Celsius. (The conversion formula is °C = 5/9 \* (°F - 32).) Use it to print a Fahrenheit-to-Centigrade table for -40 to 220 degrees Fahrenheit, in increments of 10 degrees. (Remember that %f is the printf format to use for printing floating-point numbers. Also, remember that the integer expression 5/9 gives 0, so you won't want to use integer division.)
3. Create a Makefile to compile the above C programs following this example:

Makefile:

hellomake: hellomake.c hellofunc.c

gcc -o hellomake hellomake.c hellofunc.c -I.