Stephanie Wyckoff  
CSc 3320 Programming Challenge #7  
Account: swyckoff1  
Due date: 10/11/16

[GSUAD\swyckoff1@snowball ~]$ vi pc7.c

[GSUAD\swyckoff1@snowball ~]$ gcc pc7.c -o pc7

[GSUAD\swyckoff1@snowball ~]$ cat pc7.c

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\* pc7.c

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\* Description: The program prints an 8x8 matrix of integers which decrement from left to right begining each row with a power of 8.

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\* Input: No input for this program.

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\* Output: Prints an 8x8 matrix of integer which decrements from left to right begining each row with a power of 8.

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#include <stdio.h>

main(int argc, char\* argv[]){

int arr[8][8];

int i, j;

for(i=0; i<8; i++){

arr[i][0] = (i+1)\*8;

printf(" %2d", arr[i][0]);

for(j=1; j<=7; j++){

arr[i][j] = --arr[i][0];

printf(" %2d", arr[i][j]);

}

printf("\n");

}

return 0;

}

[GSUAD\swyckoff1@snowball ~]$ ./pc7

8 7 6 5 4 3 2 1

16 15 14 13 12 11 10 9

24 23 22 21 20 19 18 17

32 31 30 29 28 27 26 25

40 39 38 37 36 35 34 33

48 47 46 45 44 43 42 41

56 55 54 53 52 51 50 49

64 63 62 61 60 59 58 57

[GSUAD\swyckoff1@snowball ~]$