**Minutes to Hours Program:**

/\* This program asks the user for input, accepts an integer, and converts the

input to hours and minutes. It uses the constant MINUTES to calculate

the desired output \*/

#include <stdio.h>

#define MINUTES 60

int toConvert;

int main(void) {

printf("Please tell me the number of minutes you would like calculated into hours: ");

scanf("%d", &toConvert);

printf("%d minutes is equal to %d hours and %d minutes", toConvert, toConvert / 60, toConvert % 60);

return 0;

}

**Output:**

Please tell me the number of minutes you would like calculated into hours: 237

237 minutes is equal to 3 hours and 57 minutes

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**PowMaster Program:**

/\* This program accepts a double variable type from user input

and raises it to the powerOf variable. Currently, there is

no way for the user to change powerOf. Changing powerOf to

a negative number will not produce desired result, it only works

for positive whole number exponents \*/

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//Date: 9/30/2018

#include <stdio.h>

void powmaster(double x, int y) {

int i = 1;

double result = 1.0;

while (i++ <= y)

result = result \* x;

printf("%lf", result);

}

int main(void) {

double raiseToThePowerOf;

int powerOf = 4;

printf("Please give me a number and I'll raise it the 4th power: ");

scanf ("%lf", &raiseToThePowerOf);

powmaster(raiseToThePowerOf, powerOf);

return 0;

}

**Output:**

Please give me a number and I’ll raise it the 4th power: 4

256.000000