/\*

\* HeeChan Kang

\* CSC 431 - AI Robotics

\* Assignment 2

\* Dollar to Yen – Take in dollar spent and exchange rate and simply multiply.

\*/

#include <stdio.h>

#include <stdlib.h>

/\* Multiply dollars and exchange rate to get yen \*/

double exchange(double dollars, double exrate) {

return dollars \* exrate;

}

void main(void) {

double dollars, exrate, yen;

dollars = 2345.67;

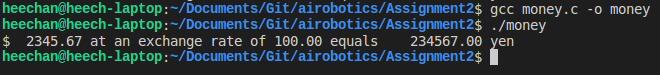
exrate = 100;

yen = exchange(dollars, exrate);

printf("$ %8.2lf at an exchange rate of %6.2lf equals %12.2lf yen\n", dollars, exrate, yen);

}

**Output:**



/\*

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\* Dollar to Yen with User Input – Same as above but with user input.

\*/

#include <stdio.h>

#include <stdlib.h>

/\* Multiply dollars and exchange rate to get yen \*/

double exchange(double dollars, double exrate) {

return dollars \* exrate;

}

void main(void) {

double dollars, exrate, yen;

/\* Take user input for dollar and exrate \*/

printf("Please input dollar spent: ");

scanf("%lf", &dollars);

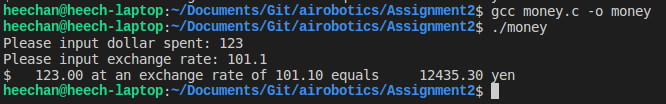
printf("Please input exchange rate: ");

scanf("%lf", &exrate);

yen = exchange(dollars, exrate);

printf("$ %8.2lf at an exchange rate of %6.2lf equals %12.2lf yen\n", dollars, exrate, yen);

}

**Output:**

/\*

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\* Assignment 2

\* Print Hundreds! - Using checkwriter.h given from assignment, utilize writeOnes

\* and writeTens to fully writeHundreds.

\*/

#include <stdio.h>

#include <stdlib.h>

#include "checkwriter.h"

/\*

\* writeHundreds takes an integer between zero and a thousand and prints out,

\* with appropriate spaces, the English word for that number.

\*/

void writeHundreds(int number) {

int hundreds, tens;

if (number < 100 && number > 0) {

writeTens(number);

printf("\n");

return;

}

else if (number > 100 && number < 1000) {

hundreds = number/100;

writeOnes(hundreds);

printf(" hundred and ");

tens = number % 100;

writeTens(tens);

printf("\n");

}

else {

printf("Invalid input.\n");

return;

}

}

void main(void) {

int input;

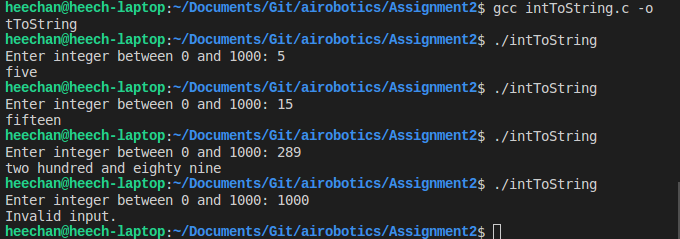
printf("Enter integer between 0 and 1000: ");

scanf("%d", &input);

writeHundreds(input);

}

**Output:**



/\*

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\* Assignment 2

\* Print Check! - Using printHundreds above, included appropriate spacing and other

\* print outputs to make it look pretty.

\*/

#include <stdio.h>

#include <stdlib.h>

#include "checkwriter.h"

/\*

\* writeHundreds takes an integer between zero and a thousand and prints out,

\* with appropriate spaces, the English word for that number.

\*/

void writeHundreds(int number) {

int hundreds, tens;

if (number < 100 && number > 0) {

writeTens(number);

return;

}

else if (number > 100 && number < 1000) {

hundreds = number/100;

writeOnes(hundreds);

printf(" hundred and ");

tens = number % 100;

writeTens(tens);

}

else {

printf("Invalid input.\n");

return;

}

}

void writeCheck(int number) {

printf("\n-------------------------------------------------------------- --------\n\n");

printf("HeeChan Kang\t\t\t\t\t\tCheck #123456\n");

printf("Minneapolis\t\t\t\t\t\n");

printf("Minnesota\t\tAugsburg Bank Visa\t January 30, 2018\n");

printf("Pay to the order of: \t\t\t\t\t $ %d.00\n", number);

writeHundreds(number);

printf(" and 00/100 dollars\n\n");

printf("CSC Department\n");

printf("Hagfors Center\t\t\t\tSignature:\_\_\_\_\_\_\_\_\_\_\_\n");

printf("\n----------------------------------------------------------------- -----\n\n");

}

void main(void) {

int input;

printf("Enter integer between 0 and 1000: ");

scanf("%d", &input);

writeCheck(input);

}

**Output:**

