Course: Programming Fundamentals - **ENCM 339**   
Lab #: Lab 0  
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Lab Section: **B06**  
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# Exercise A

## Code Listing

#include <stdio.h>

int main(void)

{

int x, y, nscan, sum;

printf("This program will add two integers for you.\n");

printf("Please enter your numbers, separated by a space.\n");

nscan = scanf("%d%d", &x, &y);

if (nscan == 2) {

sum = x + y;

printf("The sum of %d and %d is %d.\n", x, y, sum);

}

else

printf("Sorry, I had a problem reading your input.\n");

return 0;

}

## Sample Dialogues

dritchie@ICT3200202 /cygdrive/h/ENCM339/lab0

$ ./a.exe

This program will add two integers for you.

Please enter your numbers, separated by a space.

2 3

The sum of 2 and 3 is 5.

dritchie@ICT3200202 /cygdrive/h/ENCM339/lab0

$ ./a.exe

This program will add two integers for you.

Please enter your numbers, separated by a space.

64 128

The sum of 64 and 128 is 192.

dritchie@ICT3200202 /cygdrive/h/ENCM339/lab0

$ ./a.exe

This program will add two integers for you.

Please enter your numbers, separated by a space.

123 x

Sorry, I had a problem reading your input.

# Exercise B

## Code Listing

#include <stdio.h>

int main(void)

{

int x, y, nscan, product;

printf("This program will multiply two integers for you.\n");

printf("Please enter your numbers, separated by a space.\n");

nscan = scanf("%d%d", &x, &y);

if (nscan == 2) {

product = x \* y;

printf("The product of %d and %d is %d.\n", x, y, product);

}

else

printf("Sorry, I had a problem reading your input.\n");

return 0;

}

## Sample Dialogues

dritchie@ICT3200202 /cygdrive/h/ENCM339/lab0

$ ./a.exe

This program will multiply two integers for you.

Please enter your numbers, separated by a space.

32 64

The product of 32 and 64 is 2048.

dritchie@ICT3200202 /cygdrive/h/ENCM339/lab0

$ ./a.exe

This program will multiply two integers for you.

Please enter your numbers, separated by a space.

no i don't want to

Sorry, I had a problem reading your input.