Computer Programming

Lab1

Mar 13, 2025

Ex3

- For today's practice class, *do not use your personal laptop*, but use the desktop in the computer room.

- After compiling the following source code(ex1_3.c) in Visual Studio, compile and run it. Try debugging. After transferring to the Linux server using xftp, compile and run it. Submit it.

ex1_3.c

```c
1    // Fig. 2.5: fig02_05.c
2    // Addition program.
3    #include <stdio.h>
4
5    // function main begins program execution
6    int main( void )
7    {
8        int integer1; // first number to be entered by user
9        int integer2; // second number to be entered by user
10
11       printf( "Enter first integer\n" ); // prompt
12       scanf( "%d", &integer1 ); // read an integer
13
14       printf( "Enter second integer\n" ); // prompt
15       scanf( "%d", &integer2 ); // read an integer
16
17       int sum; // variable in which sum will be stored
18       sum = integer1 + integer2; // assign total to sum
19
20       printf( "Sum is %d\n", sum ); // print sum
21   } // end function main
```

Fig. 2.5 | Addition program. (Part I of 2.)

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Ex extra(ex1_extra.c)

- *(Arithmetic)* Write a program that takes 5 integers from the user, computes the sum and product, and prints them. Add appropriate comments. But don't use arrays.

- After programming using Visual Studio, move the ex1_extra.c source code to the Linux server, recompile, run, and submit.

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Ex extra

- **Program output**

```
Microsoft Visual Studio Debug Console

Enter 1st integer
3
Enter 2nd integer
8
Enter 3rd integer
10
Enter 4th integer
13
Enter 5th integer
17
Sum : 51
Product : 53040
```

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Submission

- **Submit to server**

Lab #

Class #

At the end of the Lab1, submit your C sources file by typing

   ~gs1401/bin/submit Lab1_2 ex1_3.c ex1_extra.c   // by Thur.   11:50

   ~gs1401/bin/submit Lab1_3 ex1_3.c ex1_extra.c   // by Friday 10:50

   ~gs1401/bin/submit Lab1_4 ex1_3.c ex1_extra.c   // by Friday 11:50

   ~gs1401/bin/submit Lab1_5 ex1_3.c ex1_extra.c   // by Friday 13:50

You may check that you have submitted your source code correctly by typing

   ~gs1401/bin/submit -check

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