세계 속의 빛
이공계 대학

Computer Programming

Quiz1

Oct. 21, 2022

Problem 1

- Write a program that takes an integer value and prints it like ouput.

Problem 1

- **Program output**

```
[ohyong@cse Quiz1_s456]$ vi pr1.c
[ohyong@cse Quiz1_s456]$ gcc pr1.c -o pr1
[ohyong@cse Quiz1_s456]$ ./pr1
Enter an integer: 5
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

```
[ohyong@cse Quiz1_s456]$ ./pr1
Enter an integer: 9
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8 9
```

Problem 2

- Write a program that receives an order for each type of coffee from the user and tells the total amount paid. The program is executed repeatedly, and when a specific key (number 7) is input, the order is completed. You can stop purchasing in the middle and order again from the beginning (number 6).

Problem 2

- **Program output**

```
[ohyong@cse Quiz1_s456]$ vi pr2.c
[ohyong@cse Quiz1_s456]$ gcc pr2.c -o pr2
[ohyong@cse Quiz1_s456]$ ./pr2
View the menu and place your order
1. Americano:1800 Won
2. Caffe Latte:2800 Won
3. Caffe Mocha:3800 Won
4. Caffe Americano:4300 Won
5. Strawberry:3800 Won
6. Order again(Reset)
7. Order finished

Please select a menu: 1
How many cups of Americano do you want? 1

Please select a menu: 2
How many cups of Caffe Latte do you want? 2

Please select a menu: 7

Total Cost : 7400
```

```
[ohyong@cse Quiz1_s456]$ ./pr2
View the menu and place your order
1. Americano:1800 Won
2. Caffe Latte:2800 Won
3. Caffe Mocha:3800 Won
4. Caffe Americano:4300 Won
5. Strawberry:3800 Won
6. Order again(Reset)
7. Order finished

Please select a menu: 3
How many cups of Caffe Mocha do you want? 1

Please select a menu: 4
How many cups of Caffe Americano do you want? 5

Please select a menu: 6

Please select a menu: 1
How many cups of Americano do you want? 1

Please select a menu: 7

Total Cost : 1800
```

Problem 3

- **Implement** the biggest() function to find the biggest of the four integers entered by the user. 0 points if not implemented as a function.
- function prototype
  - int biggest(int n1, int n2, int n3, int n4)

Problem 3

- **Program output**

```
[ohyong@cse Quiz1_s456]$ vi pr3.c
[ohyong@cse Quiz1_s456]$ gcc pr3.c -o pr3
[ohyong@cse Quiz1_s456]$ ./pr3
Enter four integers: 21 43 10 35
Biggest : 43
```

```
[ohyong@cse Quiz1_s456]$ ./pr3
Enter four integers: 23 50 23 7
Biggest : 50
```

```
[ohyong@cse Quiz1_s456]$ ./pr3
Enter four integers: 10 13 10 15
Biggest : 15
```

Submission

- **Submit to CSE server**

At the end of the Quiz1, submit your C sources file by typing

~gs1401/bin/submit Quiz1_s456 pr1.c pr2.c pr3.c // due : 3:50 pm

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

~gs1401/bin/submit -check