Solution to Exercises in L#7

Solution to Exercise (1)

- c). 7 8 3 is the correct answer

- scanf() has only two field specifications, but has three addresses. scanf() reads the first two values and ignore the third address. The value 9 is still in the input stream waiting to be read!

Solution to Exercise (2)

What is the output of this program if the input is 100?

```
int c = 0;
scanf("%d", c);
printf("%d",c);
```

The program will not run! The reason is the & is missing from the scanf().

Solution to Exercise (3)

- What is the displayed output when the following code fragment is run and the input is the numbers 20 and 30?

```
My name is Jane Doe.
Enter two integers> 20 30
Thanks! The answer is 53.
Bye now!
```

Solution to Exercise (4)

- What is the output of this program if the input is 77.31?

```
float a=2.1;
scanf("%5.2f", &a);
printf("%5.2f", a);
```

The value of a is 2.10

There is no precision width in the input field specification.
When scanf() finds a precision, it stops processing.
The input variable is unchanged!

Solution to Exercise (5)

- What, if anything, is printed from the following statements, given that x =2 and y =5?

```
printf("%d",x); 2
printf("%d",x+x); 4
printf("x="); x=
printf("x=%d",x); x =2
printf("%d=%d",x+y,y+x); 7 = 7
```