Operators in C Lecture 2 Assignments

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- 1. Code the following:
- a. Prompt the user to enter a two-digit number
- b. Display the number with the digits reversed

```
C:\Users\Zyrex\Documents\UPV COM-SCI - 1 - 2nd SEM\CMSC 21\Assignments\CMSC21\Lecture2>gcc asl.c
C:\Users\Zyrex\Documents\UFV COM-SCI - 1 - 2nd SEM\CMSC 21\Assignments\CMSC21\Lecture2>a
Enter a two-digit number: 22
Reversed number: 21
C:\Users\Zyrex\Documents\UPV COM-SCI - 1 - 2nd SEM\CMSC 21\Assignments\CMSC21\Lecture2>
```

2. Extend the code in item 1, such that it reverses a 3-digit number.

```
C:\Users\Zyrex\Documents\UPV COM-SCI - 1 - 2nd SEM\CMSC 21\Assignments\CMSC21\Lecture2>a Enter a three-digit number: 789 Reversed number: 987 C:\Users\Zyrex\Documents\UPV COM-SCI - 1 - 2nd SEM\CMSC 21\Assignments\CMSC21\Lecture2>
```

```
3. Provide the output of the following codes, given that i, j, and k are integer variables.
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```
a) i = 3; j = 4; k = 5;

printf("%d", i < j | | ++j < k);

= 1

b) i = 7; j = 8; k = 9;

printf("%d",i - 7 && j++ < k);

= 0

c) i = 7; j = 8; k = 9;

printf("%d", (i = j) | | (j == k));

printf("%d %d %d", i, j, k);

= 18 8 9

d) i = j = k = 1;

printf("%d", ++i | | ++j && ++k);

printf("%d %d %d", i, j, k);

= 12 1 1
```

```
Explained to the contents of the contents of
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C:\Users\Zyrex\Documents\UPV COM-SCI - 1 - 2nd SEM\CMSC 21\Assignments>lec2-as3.c

C:\Users\Zyrex\Documents\UPV COM-SCI - 1 - 2nd SEM\CMSC 21\Assignments>a
1018 8 912 1 1

C:\Users\Zyrex\Documents\UPV COM-SCI - 1 - 2nd SEM\CMSC 21\Assignments>_
```