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## OPERATORS IN C

### LECTURE 2 ASSIGNMENTS

#### 1. CODE

```
Start here x as1.c x
1 #include <stdio.h>
2
3 int main ()
4 {
5     int n, rev = 0, rem ;
6
7     printf("Enter a 2-digit number: \n");
8     scanf("%d",&n);
9
10    while (n != 0)
11    {
12        rem = n % 10;
13        rev = rev * 10 + rem;
14        n = n/10;
15    }
16
17    printf("Reverse = %d", rev);
18
19    return 0;
20 }
21
22
23
```

#### EXAMPLE OUTPUT

```
"C:\Users\User\Documents\1ST YEAR (2ND SEMESTER)\CMSC 21\WEEK 4\as1.exe"
Enter a 2-digit number:
18
Reverse = 81
Process returned 0 (0x0)   execution time : 3.851 s
Press any key to continue.
```

#### 2. CODE

```
Start here x as1.c x as2.c x
1 #include <stdio.h>
2
3 int main ()
4 {
5     int n, rev = 0, rem ;
6
7     printf("Enter a 3-digit number: \n");
8     scanf("%d",&n);
9
10    while (n != 0)
11    {
12        rem = n % 10;
13        rev = rev * 10 + rem;
14        n = n/10;
15    }
16
17    printf("Reverse = %d", rev);
18
19    return 0;
20 }
21
22
23
```

#### EXAMPLE OUTPUT

```
"C:\Users\User\Documents\1ST YEAR (2ND SEMESTER)\CMSC 21\WEEK 4\as2.exe"
Enter a 3-digit number:
314
Reverse = 413
Process returned 0 (0x0)   execution time : 11.952 s
Press any key to continue.
```

3. Provide the output of the following codes, given that i, j, and k are integer variables.

- 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)); 1  
printf("%d %d %d", i, j, k); 8 8 9
- d) i = j = k = 1;  
printf("%d", ++i || ++j && ++k); 1  
printf("%d %d %d", i, j, k); 2 1 1

Provide the output of the codes.

- a. 1
- b. 0
- c. 18 8 9
- d. 12 1 1