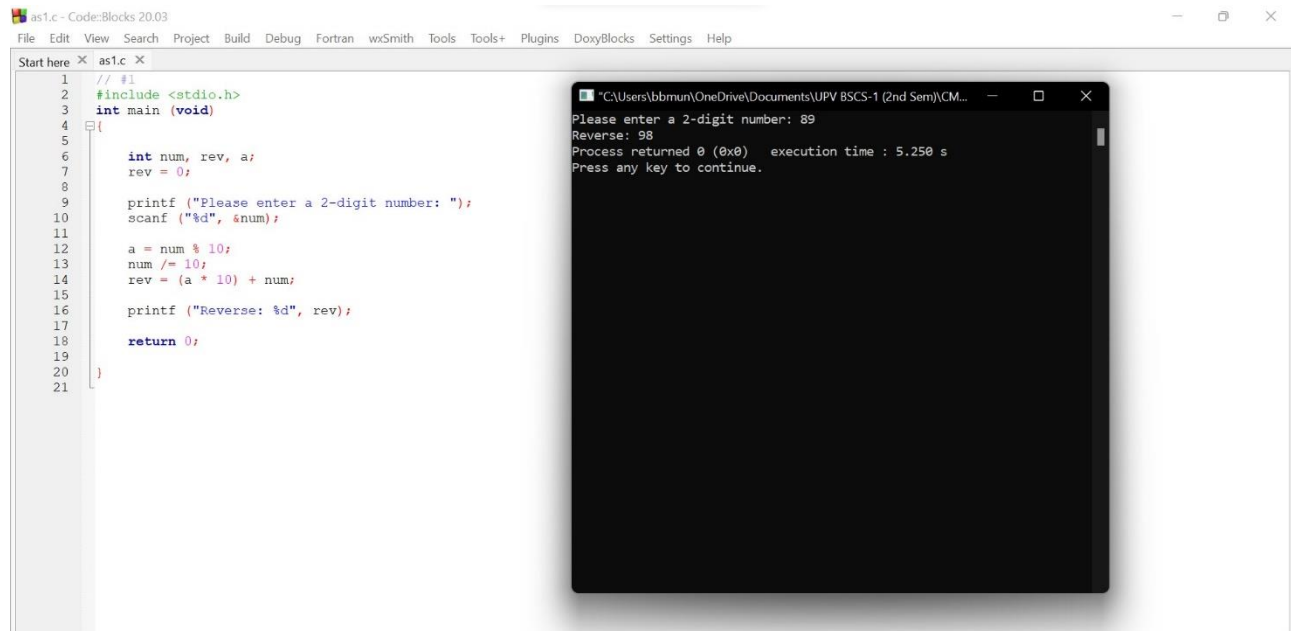


LECTURE 2 ASSIGNMENT

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1.)



The screenshot shows the Code::Blocks IDE with a C program named `as1.c`. The code prompts the user to enter a 2-digit number, calculates its reverse, and prints the result. The execution window shows the program running with input 89 and output 98.

```
// #1
#include <stdio.h>
int main (void)
{
    int num, rev, a;
    rev = 0;

    printf ("Please enter a 2-digit number: ");
    scanf ("%d", &num);

    a = num % 10;
    num /= 10;
    rev = (a * 10) + num;

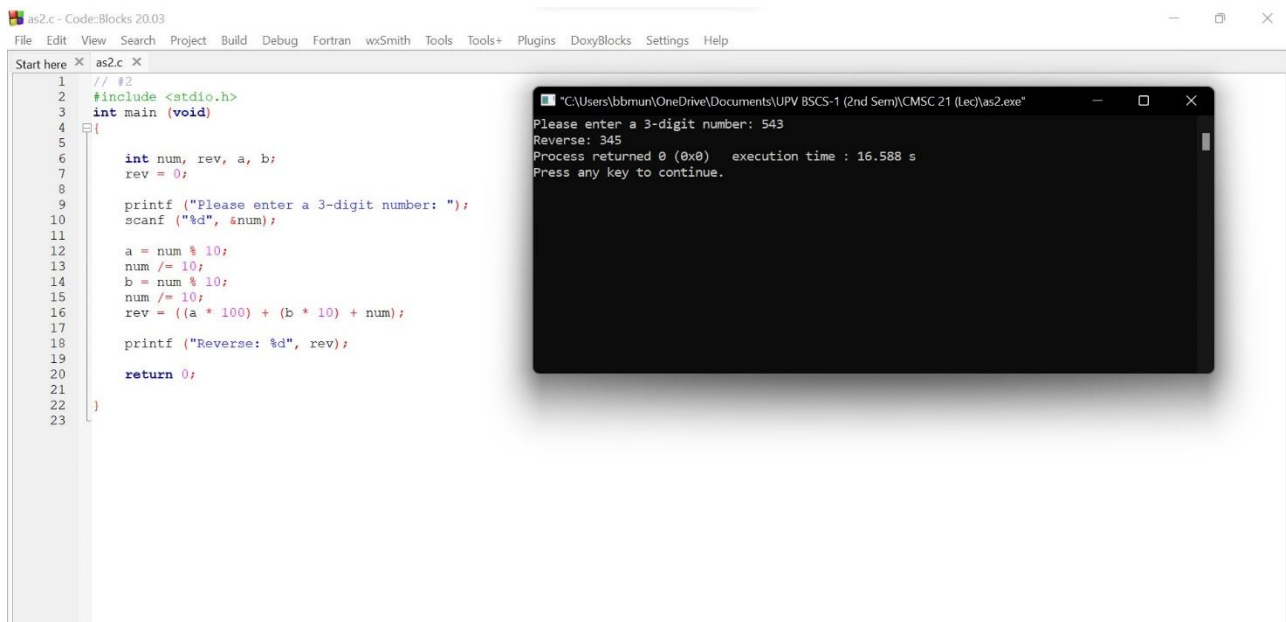
    printf ("Reverse: %d", rev);

    return 0;
}
```

Execution output:

```
Please enter a 2-digit number: 89
Reverse: 98
Process returned 0 (0x0)   execution time : 5.250 s
Press any key to continue.
```

2.)



The screenshot shows the Code::Blocks IDE with a C program named `as2.c`. The code prompts the user to enter a 3-digit number, calculates its reverse, and prints the result. The execution window shows the program running with input 543 and output 345.

```
// #2
#include <stdio.h>
int main (void)
{
    int num, rev, a, b;
    rev = 0;

    printf ("Please enter a 3-digit number: ");
    scanf ("%d", &num);

    a = num % 10;
    num /= 10;
    b = num % 10;
    num /= 10;
    rev = ((a * 100) + (b * 10) + num);

    printf ("Reverse: %d", rev);

    return 0;
}
```

Execution output:

```
Please enter a 3-digit number: 543
Reverse: 345
Process returned 0 (0x0)   execution time : 16.588 s
Press any key to continue.
```

3.)

as3.c - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

```
Start here x as3.c x
1 // #3
2 #include <stdio.h>
3 int main (void)
4 {
5     int i, j, k;
6
7     // a)
8     i = 3; j = 4; k = 5;
9     printf("a) %d \n", i < j || ++j < k);
10
11     // b)
12     i = 7; j = 0; k = 9;
13     printf("b) %d \n", i - 7 && j++ < k);
14
15     // c)
16     i = 7; j = 0; k = 9;
17     printf("c(1) %d \n", (i == j) || (j == k));
18     printf("c(2) %d %d %d \n", i, j, k);
19
20     // d)
21     i = j = k = 1;
22     printf("d(1) %d \n", ++i || ++j && ++k);
23     printf("d(2) %d %d %d \n", i, j, k);
24
25     return 0;
26
27 }
28
```

"C:\Users\bhmun\OneDrive\Documents\UPV BSCS-1 (2nd Sem)\CMSC 21 (Lec)\as3.exe"

```
a) 1
b) 0
c(1) 1
c(2) 8 8 9
d(1) 1
d(2) 2 1 1

Process returned 0 (0x0)   execution time : 1.852 s
Press any key to continue.
```