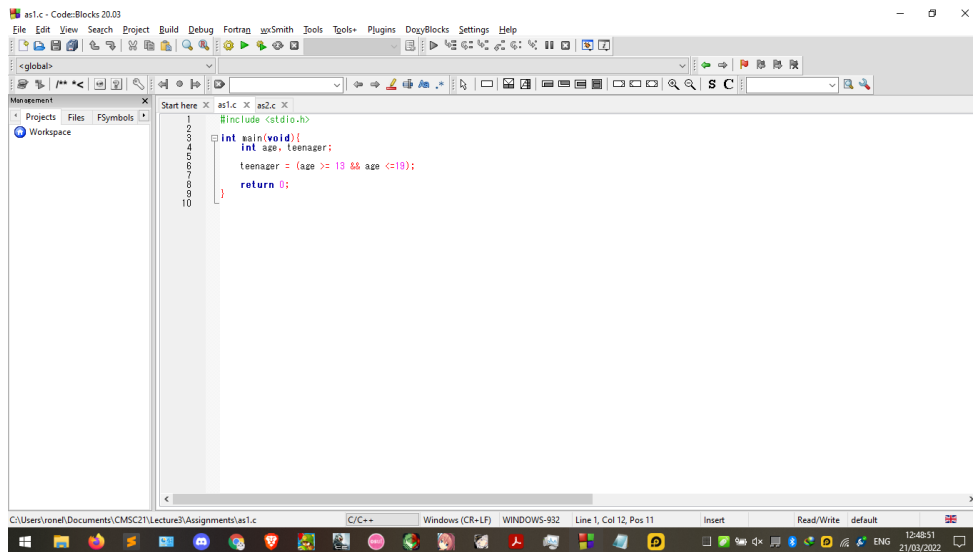


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1.

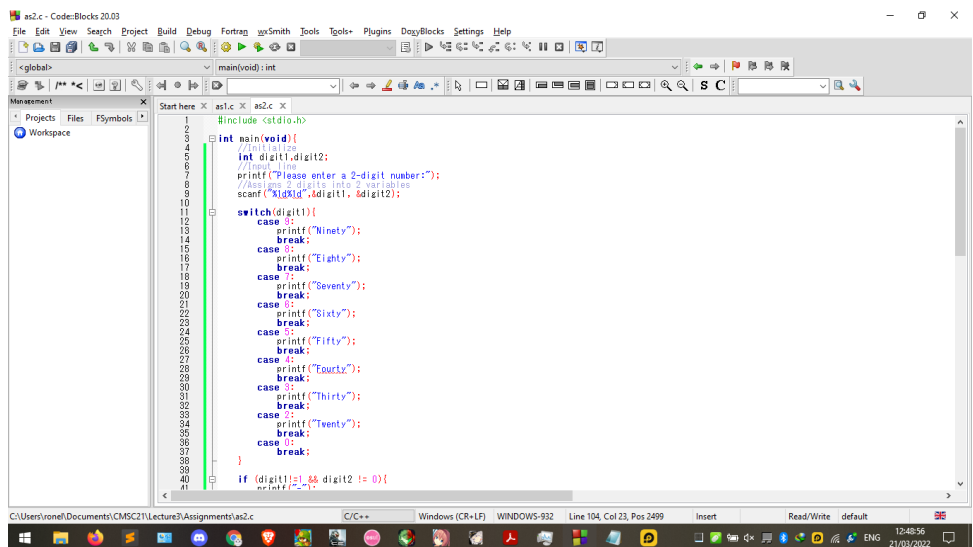


The screenshot shows the Code::Blocks 20.03 IDE with a project named 'as1.c'. The 'Main' window displays the following C++ code:

```
1 #include <stdio.h>
2
3 int main(void)
4 {
5     int age, teenager;
6     teenager = (age >= 13 && age <= 19);
7     return 0;
8 }
9
10
```

The 'Project' window on the left shows the project structure. The status bar at the bottom indicates the file path: 'C:\Users\ronef\Documents\CMSC21\Lecture3\Assignments\as1.c'.

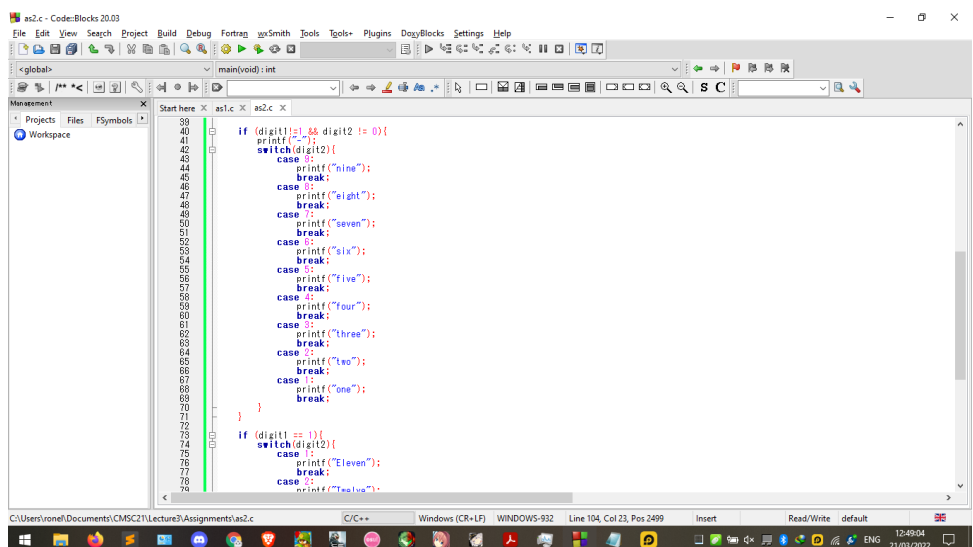
2.



The screenshot shows the Code::Blocks 20.03 IDE with a project named 'as2.c'. The 'Main' window displays the following C++ code:

```
1 #include <stdio.h>
2
3 int main(void)
4 {
5     int digit1, digit2;
6     // Input
7     printf("Please enter a 2-digit number:");
8     // Read the 2 digits into 2 variables
9     scanf("%i%i", &digit1, &digit2);
10
11     switch(digit1)
12     {
13         case 9:
14             printf("Ninety");
15             break;
16         case 8:
17             printf("Eighty");
18             break;
19         case 7:
20             printf("Seventy");
21             break;
22         case 6:
23             printf("Sixty");
24             break;
25         case 5:
26             printf("Fifty");
27             break;
28         case 4:
29             printf("Twenty");
30             break;
31         case 3:
32             printf("Thirty");
33             break;
34         case 2:
35             printf("Twenty");
36             break;
37         case 1:
38             break;
39     }
40     if (digit1 != 0 && digit2 != 0)
41         printf("-");
42 }
```

The 'Project' window on the left shows the project structure. The status bar at the bottom indicates the file path: 'C:\Users\ronef\Documents\CMSC21\Lecture3\Assignments\as2.c'.

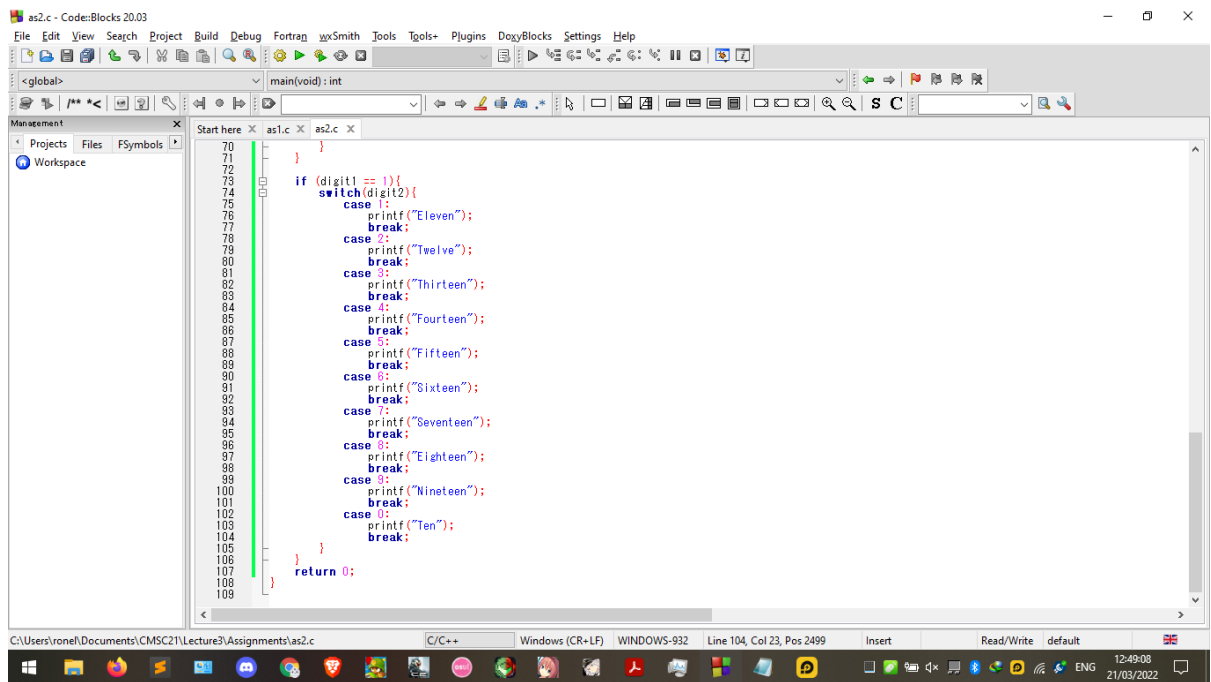


The screenshot shows the Code::Blocks 20.03 IDE with a project named 'as2.c'. The 'Main' window displays the following C++ code:

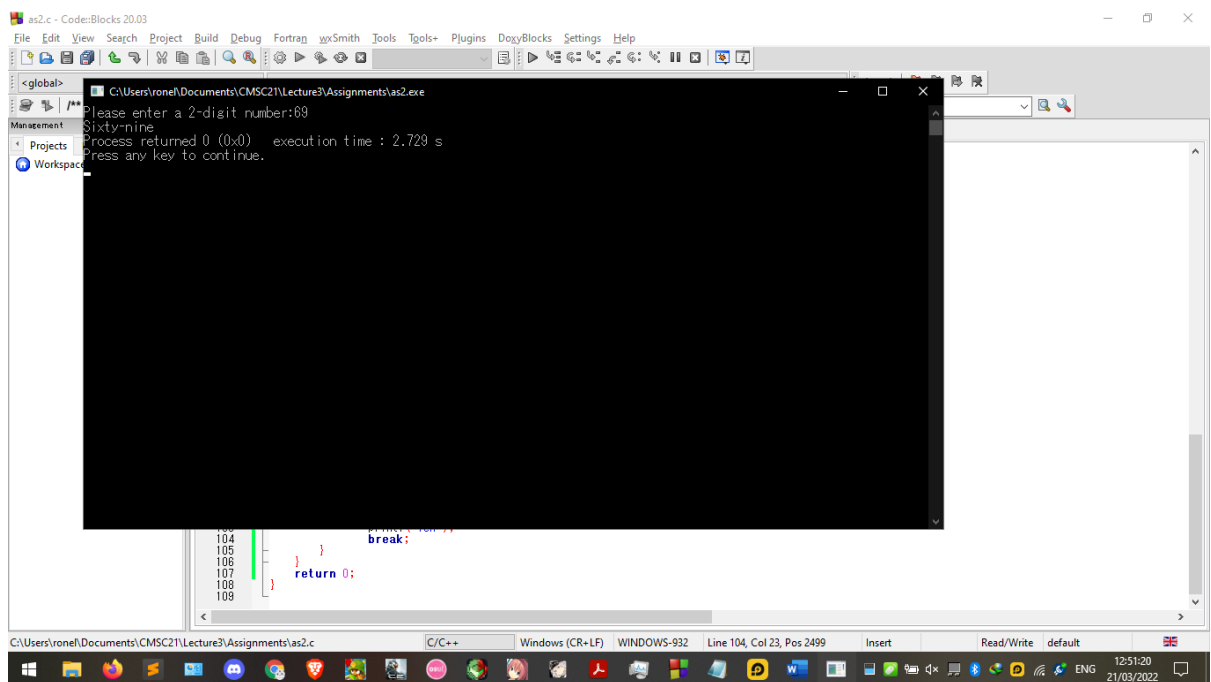
```
39
40 if (digit1 != 0 && digit2 != 0)
41 {
42     printf("-");
43     switch(digit2)
44     {
45         case 9:
46             printf("nine");
47             break;
48         case 8:
49             printf("eight");
50             break;
51         case 7:
52             printf("seven");
53             break;
54         case 6:
55             printf("six");
56             break;
57         case 5:
58             printf("five");
59             break;
60         case 4:
61             printf("four");
62             break;
63         case 3:
64             printf("three");
65             break;
66         case 2:
67             printf("two");
68             break;
69         case 1:
70             printf("one");
71             break;
72     }
73 }
74 if (digit1 == 1)
75 {
76     switch(digit2)
77     {
78         case 1:
79             printf("Eleven");
80             break;
81         case 2:
82             printf("Twelve");
83             break;
84     }
85 }
```

The 'Project' window on the left shows the project structure. The status bar at the bottom indicates the file path: 'C:\Users\ronef\Documents\CMSC21\Lecture3\Assignments\as2.c'.

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```
70     }
71 }
72
73 if (digit1 == 1){
74     switch(digit2){
75         case 1:
76             printf("Eleven");
77             break;
78         case 2:
79             printf("Twelve");
80             break;
81         case 3:
82             printf("Thirteen");
83             break;
84         case 4:
85             printf("Fourteen");
86             break;
87         case 5:
88             printf("Fifteen");
89             break;
90         case 6:
91             printf("Sixteen");
92             break;
93         case 7:
94             printf("Seventeen");
95             break;
96         case 8:
97             printf("Eighteen");
98             break;
99         case 9:
100             printf("Nineteen");
101             break;
102         case 0:
103             printf("Ten");
104             break;
105     }
106 }
107 return 0;
108 }
109 }
```



```
C:\Users\ronef\Documents\CMSC21\Lecture3\Assignments\as2.exe
Please enter a 2-digit number:69
Sixty-nine
Process returned 0 (0x0)   execution time : 2.729 s
Press any key to continue.
```