

Chester Ken Gallego

Lecture 3 Assignment

1.



```
1 teenager = (age >= 13 && age <= 19) ? true : false;
```

2.

```

1  #include <stdio.h>
2
3  int main(void)
4  {
5      // Declare the variables
6      int ones, tens;
7      // Prompt the user to enter a two-digit number
8      printf("Enter a two-digit number: ");
9      scanf("%1d%1d", &tens, &ones);
10     // Evaluate the tens digit
11     if (tens == 1)
12     {
13         // Give special treatment to numbers between 10 and 19
14         if (ones == 0)
15             printf("ten");
16         else if (ones == 1)
17             printf("eleven");
18         else if (ones == 2)
19             printf("twelve");
20         else if (ones == 3)
21             printf("thirteen");
22         else if (ones == 4)
23             printf("fourteen");
24         else if (ones == 5)
25             printf("fifteen");
26         else if (ones == 6)
27             printf("sixteen");
28         else if (ones == 7)
29             printf("seventeen");
30         else if (ones == 8)
31             printf("eightteen");
32         else if (ones == 9)
33             printf("nineteen");
34     }
35     else if (tens == 2)
36         printf("twenty");
37     else if (tens == 3)
38         printf("thirty");
39     else if (tens == 4)
40         printf("forty");
41     else if (tens == 5)
42         printf("fifty");
43     else if (tens == 6)
44         printf("sixty");
45     else if (tens == 7)
46         printf("seventy");
47     else if (tens == 8)
48         printf("eighty");
49     else if (tens == 9)
50         printf("ninety");
51     // Evaluate the ones digit for numbers between 20 and 99
52     if (tens != 1 && ones == 1)
53         printf("-one");
54     else if (tens != 1 && ones == 2)
55         printf("-two");
56     else if (tens != 1 && ones == 3)
57         printf("-three");
58     else if (tens != 1 && ones == 4)
59         printf("-four");
60     else if (tens != 1 && ones == 5)
61         printf("-five");
62     else if (tens != 1 && ones == 6)
63         printf("-six");
64     else if (tens != 1 && ones == 7)
65         printf("-seven");
66     else if (tens != 1 && ones == 8)
67         printf("-eight");
68     else if (tens != 1 && ones == 9)
69         printf("-nine");
70     return 0;
71 }
72

```

GitHub: <https://github.com/chstrkn/CMSC21>