

1.

```
1  #include <stdbool.h>
2  #include <stdio.h>
3
4  int main(void)
5  {
6      bool teenager;
7      int age;
8      scanf("%d", &age);
9      teenager = (age >= 13 && age <= 19) ? true : false;
10     printf("%d\n", teenager);
11     return 0;
12 }
```

2.

```
1  #include <stdio.h>
2
3  int main(void)
4  {
5      //identify the variables.
6      int ones, tens;
7      //ask the user to enter a two-digit number.
8      printf("Enter a two-digit number: ");
9      scanf("%d%d", &tens, &ones);
10
11     if (tens == 1)
12     {
13         //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("eighteen");
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
52     // Evaluate the ones digit for numbers between 20 and 99
53     if (tens != 1 && ones == 1)
54         printf("-one");
55     else if (tens != 1 && ones == 2)
56         printf("-two");
57     else if (tens != 1 && ones == 3)
58         printf("-three");
59     else if (tens != 1 && ones == 4)
60         printf("-four");
61     else if (tens != 1 && ones == 5)
62         printf("-five");
63     else if (tens != 1 && ones == 6)
64         printf("-six");
65     else if (tens != 1 && ones == 7)
66         printf("-seven");
67     else if (tens != 1 && ones == 8)
68         printf("-eight");
69     else if (tens != 1 && ones == 9)
70         printf("-nine");
71     return 0;
72 }
```

