

```
as1.c x as2.c x
1  #include <stdio.h>
2
3  int main(){
4
5
6      int age;
7
8      printf("Enter your age: ");
9      scanf("%d",&age);
10
11     if (age >= 13 && age <= 19){
12         printf("You are a teenager.");
13     }
14
15
16     else{
17         printf("You are not a teenager.");
18     }
19
20 }
21
```

1.

```
#include <stdio.h>

int main(){

    int age;

    printf("Enter your age: ");
    scanf("%d",&age);

    if (age >= 13 && age <= 19){
        printf("You are a teenager.");
    }

    else{
        printf("You are not a teenager.");
    }

}
```

■ "C:\[Justin]\School\UPV\1st Year\2nd Semester\CMSC 21\Lecture 3\Assignments\as1.exe"

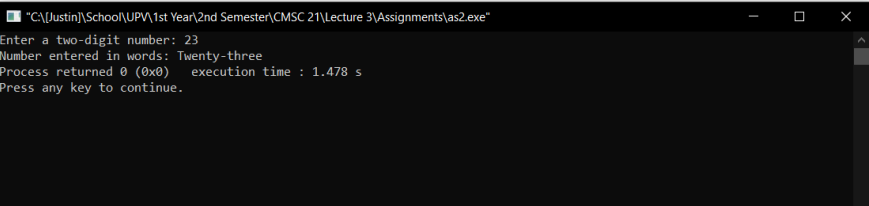
```
Enter your age: 16
You are a teenager.
Process returned 0 (0x0)   execution time : 4.523 s
Press any key to continue.
```

2.

```
as1.c x as2.c x
1 #include <stdio.h>
2
3 int main() {
4
5     int tenth, ones;
6
7     printf("Enter a two-digit number: ");
8     scanf("%d%d", &tenth, &ones);
9
10    /*Used if statement if first digit user enters is 1. This is for numbers 10-19 which require special treatment.*/
11    if (tenth == 1) {
12
13        /*Used switch statement for 10-19 to then print into its respective word form.*/
14        switch(ones) {
15
16            case 0 :
17                printf("Number entered in words: Ten");
18                break;
19
20            case 1 :
21                printf("Number entered in words: Eleven");
22                break;
23
24            case 2 :
25                printf("Number entered in words: Twelve");
26                break;
27
28            case 3 :
29                printf("Number entered in words: Thirteen");
30                break;
31
32            case 4 :
33                printf("Number entered in words: Fourteen");
34                break;
35
36            case 5 :
37                printf("Number entered in words: Fifteen");
38                break;
39
40            case 6 :
41                printf("Number entered in words: Sixteen");
42                break;
43
44            case 7 :
45                printf("Number entered in words: Seventeen");
46                break;
47
48            case 8 :
49                printf("Number entered in words: Eighteen");
50                break;
51
52            case 9 :
53                printf("Number entered in words: Nineteen");
54                break;
55
56        }
57    }
58
59    /*Else statement for when the first digit is not 1. This means the number has a range from 20-99, which generally follows a structured
60    word format*/
61    else {
62
63        /*First switch statement used based on the first digit of user input.*/
64        switch (tenth) {
65
66            case 2 :
67                printf("Number entered in words: Twenty");
68                break;
69
70            case 3 :
71                printf("Number entered in words: Thirty");
72                break;
73
74            case 4 :
75                printf("Number entered in words: Forty");
76                break;
77
78            case 5 :
79                printf("Number entered in words: Fifty");
80                break;
81
82            case 6 :
83                printf("Number entered in words: Sixty");
84                break;
85
86            case 7 :
87                printf("Number entered in words: Seventy");
88                break;
89
90            case 8 :
91                printf("Number entered in words: Eighty");
92                break;
93
94            case 9 :
95                printf("Number entered in words: Ninety");
96                break;
97
98        }
99
100    }
```

```
100
101
102      /*Second switch statement used for second digit of user input*/
103      switch (ones){
104
105          case 0 :
106              printf(" ");
107              break;
108
109          case 1 :
110              printf("-one");
111              break;
112
113          case 2 :
114              printf("-two");
115              break;
116
117          case 3 :
118              printf("-three");
119              break;
120
121          case 4 :
122              printf("-four");
123              break;
124
125          case 5 :
126              printf("-five");
127              break;
128
129          case 6 :
130              printf("-six");
131              break;
132
133          case 7 :
134              printf("-seven");
135              break;
136
137          case 8 :
138              printf("-eight");
139              break;
140
141          case 9 :
142              printf("-nine");
143              break;
144      }
145  }
146  }
147  }
148  }
149  }
150  }
151  }
152  }

34      break;
35
36      case 5 :
37          printf("Number entered in words: Fifteen");
38          break;
39
40      case 6 :
41          printf("Number entered in words: Sixteen");
42          break;
43
44      case 7 :
45          printf("Number entered in words: Seventeen");
46          break;
47
48      case 8 :
49          printf("Number entered in words: Eighteen");
50          break;
51
52      case 9 :
53          printf("Number entered in words: Nineteen");
54          break;
55  }
56
57
58
59
60
61
62
63
64
65
66
67
```



Github link: <https://github.com/zaxepaz/CMSC-21/tree/master/Lecture%203/Assignments>