Selection Statements Lecture 3 Assignments

1. The following if statement is unnecessarily complicated. Simplify it as much as possible. (Hint: The entire statement can be replaced by a single assignment.)

CODE:

```
 as1.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
PA B B C R X B A Q Q O P R O D R P R C X A C X H D E 7
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Management × Start here × as1.c ×
  Projects Files
                             #include <stdio.h>
#include <stdbool.h>

    ₩orkspace

                             int main ()
                                  int age;
bool teenager;
                                 printf("Enter an age number: ");
scanf ("%d",&age);
                        10
11
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                                 if (age >= 13 && age <= 19) {
    teenager = true;
    printf ("%d", teenager);</pre>
                                 else {
    teenager = false;
    printf ("%d", teenager);
                                  return 0;
                        23
24
                   Logs & others
                   🛂 🕜 Code:Blocks 🗴 👊 Search results 🗴 📝 Cccc 🗴 🌼 Build log 🗴 🌪 Build messages 🗴 🃝 CppCheck/Vera++ 🗴 📝 CppCheck/Vera++ messages 🗴 📝 Cscope 🗴 😨 DLE
C:\Users\User\Documents\1ST YEAR (2ND SEMESTER)\CMSC 21\WEEK 6\as1.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 24, Col 1, Pos 363
                                                                                                                                                                        ®
                                                                                                                                              Read/Write default
```

OUPUT:



2. Write a C program that does the following:

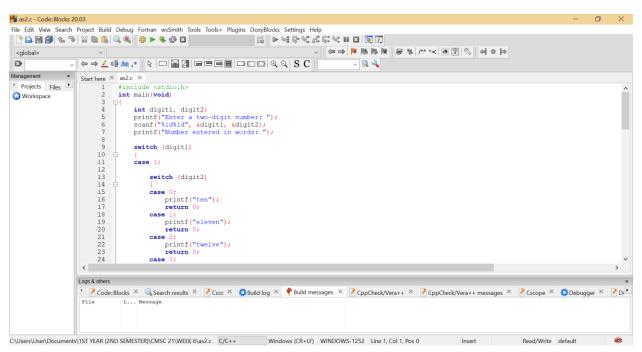
Enter a two-digit number: 25

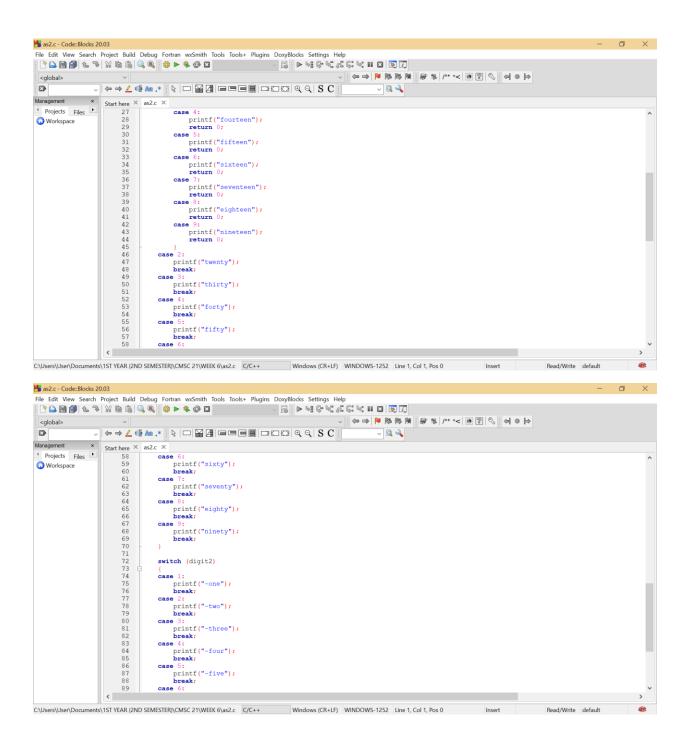
Number entered in words: twenty-five

Hint:

- Break the number into two digits.
- Note: 11 and 19 require special treatment.

CODE





```
as2.c - Code::Blocks 20.03
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  3
                          case 1:
                          printf("-one");
break;
                          case 2:
printf("-two");
break;
                          case 3:
printf("-three");
break;
                          case 4:
                          case 4:
    printf("-four");
    break;
case 5:
    printf("-five");
    break;
                          case 6:
printf("-six");
break;
                         case 7:
printf("-seven");
break;
                         case 9:
    printf("-nine");
    break;
                          return 0;
 C\Users\User\Documents\1ST YEAR (2ND SEMESTER)\CMSC 21\WEEK 6\as2.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 1, Col 1, Pos 0
                                                                                                      Read/Write default
  Type here to search
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```

OUPUT

```
□ 'C\Users\User\Documents\15T YEAR (2ND SEMESTER\CMSC 21\WEEK 6\as2.exe" — X

Enter a two-digit number: 56

Number entered in words: fifty-six

Process returned 0 (8x8) execution time: 2.749 s

Press any key to continue.
```

GITHUB LINK: https://github.com/Kariellecirunay/CMSC21