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.)

```
#include <stdio.h>
int main (void)

{
    //declaring variables
    int age;

    //setting the conditions
    //if statement
    if (age >=13 && age <=19)
        printf("teenager = true");

//else statement
else if (age <13)
    printf ("teenager = false");

return 0;

return 0;
</pre>
```

Output

teenager = false

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2. Write a C program that does the following:

Enter a two-digit number: 25

Number entered in words: twenty-five

```
//program that prints the two-digit number in words
 //declaring variables
 printf("Enter a two-digit number: ");
 printf("Number entered in words: ");
     enclosed in a nested switch statement */
```

```
printf("fifteen");
  printf("eighteen");
   printf("nineteen");
 printf("thirty");
case 6:
 printf("seventy");
 printf("eighty");
```

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```
words for the second digit */
   printf("-one");
   printf("-three");
   break;
   printf("-four");
  break;
  printf("-five");
  printf("-six");
 printf("-seven");
  break;
   printf("-eight");
   printf("-nine");
```

Output

```
Enter a two-digit number: 65
Number entered in words: sixty-five
```