Selection Statements Lecture 3 Assignments

1.

```
Enter age: 14
Teenager? --> true
PS C:\Users\Kristina\Desktop\ACADS\CMSC 21\source codes\lecture 3>
```

```
Enter age: 11
Teenager? --> false
PS C:\Users\Kristina\Desktop\ACADS\CMSC 21\source codes\lecture 3>
```

```
/*** CELIS, KRISTINA | ASSIGNMENT 3 | as2 ^{***}/
2.
           #include <stdio.h>
           int main(void) {
               int num;
               while (1) {
                   printf("Enter a two-digit number: ");
                   scanf("%d", &num);
                   if (num < 10 || num > 99) {
                       printf("Invalid Input! Must be a positive 2-digit number. Please try again.\n");
                   else {
                       break;
               printf("Number entered in words: ");
               /* TENTHS PLACE */
               switch (num / 10) {
                                                       // get the remainder to get the specific digit
                       switch (num % 10) {
                           case 0: printf("ten"); break;
                           case 1: printf("eleven"); break;
                           case 2: printf("twelve"); break;
                           case 3: printf("thirteen"); break;
```

```
case 4: printf("fourteen"); break;
                     case 5: printf("fifteen"); break;
                     case 6: printf("sixteen"); break;
                     case 7: printf("seventeen"); break;
                     case 8: printf("eighteen"); break;
                     case 9: printf("nineteen"); break;
                 return 0;
             case 2: printf("twenty"); break;
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             case 3: printf("thirty"); break;
             case 4: printf("fourty"); break;
             case 5: printf("fifty"); break;
             case 6: printf("sixty"); break;
             case 7: printf("seventy"); break;
             case 8: printf("eighty"); break;
             case 9: printf("ninety"); break;
         /* ONES PLACE */
         switch (num % 10) {
             case 1: printf("-one"); break;
             case 2: printf("-two"); break;
             case 3: printf("-three"); break;
             case 4: printf("-four"); break;
             case 5: printf("-five"); break;
             case 6: printf("-six"); break;
             case 7: printf("-seven"); break;
             case 8: printf("-eight"); break;
62
             case 9: printf("-nine"); break;
         return 0;
66
```

```
Enter a two-digit number: 17
Number entered in words: seventeen
PS C:\Users\Kristina\Desktop\ACADS\CMSC 21\source codes\lecture 3>
Enter a two-digit number: 30
Number entered in words: thirty
PS C:\Users\Kristina\Desktop\ACADS\CMSC 21\source codes\lecture 3>
Enter a two-digit number: 58
Number entered in words: fifty-eight
PS C:\Users\Kristina\Desktop\ACADS\CMSC 21\source codes\lecture 3>
```