PRECIOUS KAIRA B. SALURIA

CMSC21 – 1

Selection Statements

Lecture 3 Assignments

1. **Code:**

```c
/***************************
*  SALURIA, PRECIOUS KAIRA *
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***************************/

/*  \\ =^● ⅄ ●^= // */

#include<stdio.h>
#include<stdbool.h>

int main()
{
    int age;
    bool teenager;

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

    // if statement to check if age is in range 13-19
    if (age >= 13 && age <= 19) {teenager = true;}

    // printing whether result is true or false
    printf("Teenager: %s\n", teenager ? "True" : "False");

    return 0;
}
```

Example Output:

If True:

```
Enter age: 16
Teenager: True
```

If False:

```
Enter age: 34
Teenager: False
```

2. Code:

Assignments > C as2.c > ...

```c
/*****************************
*  SALURIA, PRECIOUS KAIRA *
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*****************************/


#include <stdio.h>

// PROGRAM TO PRINT A TWO-DIGIT NUMBER IN WORDS

int main(void)
{
    int first, second;

    // breaking the number into two digits and storing it in seperate variables
    printf("Enter a two-digit number: ");
    scanf("%1d%1d", &first, &second);

    // printing of results
    printf("Number entered in words: ");

    // to print the word for the first digit
    switch (first)
    {
        // special cases for numbers from 10-19
        case 1:
            switch (second)
            {
                case 0:
                    printf("ten");
                    return 0;
                case 1:
                    printf("eleven");
                    return 0;
                case 2:
                    printf("twelve");
                    return 0;
                case 3:
                    printf("thirteen");
                    return 0;
                case 4:
                    printf("fourteen");
                    return 0;
                case 5:
                    printf("fifteen");
                    return 0;
```

```
47                  case 6:
48                      printf("sixteen");
49                      return 0;
50                  case 7:
51                      printf("seventeen");
52                      return 0;
53                  case 8:
54                      printf("eigthteen");
55                      return 0;
56                  case 9:
57                      printf("nineteen");
58                      return 0;
59              }
60
61          case 2:
62              printf("twenty");
63              break;
64          case 3:
65              printf("thirty");
66              break;
67          case 4:
68              printf("forty");
69              break;
70          case 5:
71              printf("fifty");
72              break;
73          case 6:
74              printf("sixty");
75              break;
76          case 7:
77              printf("seventy");
78              break;
79          case 8:
80              printf("eighty");
81              break;
82          case 9:
83              printf("ninety");
84              break;
85      }
86
87      // to print the word for the second digit
88      switch (second)
89      {
90          case 1:
91              printf("-one");
92              break;
```

```
93          case 2:
94              printf("-two");
95              break;
96          case 3:
97              printf("-three");
98              break;
99          case 4:
100             printf("-four");
101             break;
102         case 5:
103             printf("-five");
104             break;
105         case 6:
106             printf("-six");
107             break;
108         case 7:
109             printf("-seven");
110             break;
111         case 8:
112             printf("-eight");
113             break;
114         case 9:
115             printf("-nine");
116             break;
117     }
118
119     return 0;
120 }
```

Example Output:

```
Enter a two-digit number: 34
Number entered in words: thirty-four
```

Github Link: https://github.com/kryshyr/CMSC21/tree/master/Lecture3/Assignments