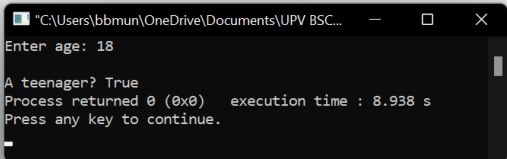


LECTURE 3 ASSIGNMENT

Sharah Michelle M. Tuando

1.)

```
1 // #1
2 #include <stdio.h>
3 #include <stdbool.h>
4 int main (void) {
5     int age;
6     bool teenager = false;
7
8     printf("Enter age: ");
9     scanf("%i", &age);
10
11     if (age >= 13 && age <= 19) {
12         teenager = true;
13     }
14     printf("\nA teenager? %s", teenager ? "True" : "False");
15     return 0;
16 }
17
18
```



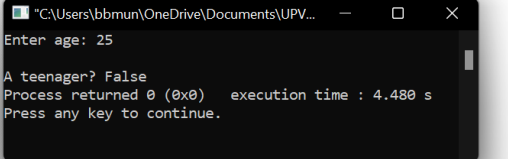
Enter age: 18

A teenager? True

Process returned 0 (0x0) execution time : 8.938 s

Press any key to continue.

```
1 // #1
2 #include <stdio.h>
3 #include <stdbool.h>
4 int main (void) {
5     int age;
6     bool teenager = false;
7
8     printf("Enter age: ");
9     scanf("%i", &age);
10
11     if (age >= 13 && age <= 19) {
12         teenager = true;
13     }
14     printf("\nA teenager? %s", teenager ? "True" : "False");
15     return 0;
16 }
17
18
```



Enter age: 25

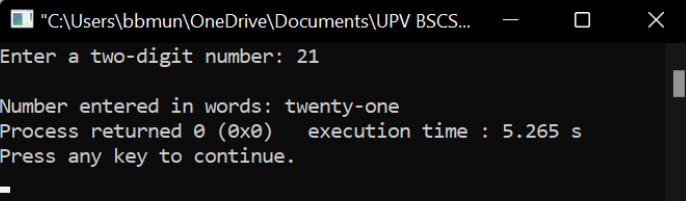
A teenager? False

Process returned 0 (0x0) execution time : 4.480 s

Press any key to continue.

2.)

```
1 // #2
2 #include <stdio.h>
3 int main (void) {
4     int first, second;
5
6     printf("Enter a two-digit number: ");
7     scanf("%d%d", &first, &second);
8     printf("\nNumber entered in words: ");
9
10     // numbers 10 to 19
11     if (first == 1) {
12         switch(second) {
13             case 0: printf("ten"); break;
14             case 1: printf("eleven"); break;
15             case 2: printf("twelve"); break;
16             case 3: printf("thirteen"); break;
17             case 4: printf("fourteen"); break;
18             case 5: printf("fifteen"); break;
19             case 6: printf("sixteen"); break;
20             case 7: printf("seventeen"); break;
21             case 8: printf("eighteen"); break;
22             case 9: printf("nineteen"); break;
23         }
24         return 0;
25     }
26     // numbers 20 to 99
27     switch(first) { //first digit
28         case 2: printf("twenty"); break;
29         case 3: printf("thirty"); break;
30         case 4: printf("forty"); break;
31         case 5: printf("fifty"); break;
32         case 6: printf("sixty"); break;
33         case 7: printf("seventy"); break;
34         case 8: printf("eighty"); break;
35         case 9: printf("ninety"); break;
36     }
37     switch(second) { //second digit
38         case 1: printf("-one"); break;
39         case 2: printf("-two"); break;
40         case 3: printf("-three"); break;
41         case 4: printf("-four"); break;
42         case 5: printf("-five"); break;
43         case 6: printf("-six"); break;
44         case 7: printf("-seven"); break;
45         case 8: printf("-eight"); break;
46         case 9: printf("-nine"); break;
47     }
48     return 0;
49 }
```



Enter a two-digit number: 21

Number entered in words: twenty-one

Process returned 0 (0x0) execution time : 5.265 s

Press any key to continue.

```

1 // #2
2 #include <stdio.h>
3 int main (void) {
4     int first, second;
5
6     printf("Enter a two-digit number: ");
7     scanf("%ld%ld", &first, &second);
8     printf("\nNumber entered in words: ");
9
10    // numbers 10 to 19
11    if (first == 1){
12        switch(second) {
13            case 0: printf("ten"); break;
14            case 1: printf("eleven"); break;
15            case 2: printf("twelve"); break;
16            case 3: printf("thirteen"); break;
17            case 4: printf("fourteen"); break;
18            case 5: printf("fifteen"); break;
19            case 6: printf("sixteen"); break;
20            case 7: printf("seventeen"); break;
21            case 8: printf("eighteen"); break;
22            case 9: printf("nineteen"); break;
23        }
24        return 0;
25    }
26    // numbers 20 to 99
27    switch(first) { //first digit
28        case 2: printf("twenty"); break;
29        case 3: printf("thirty"); break;
30        case 4: printf("forty"); break;
31        case 5: printf("fifty"); break;
32        case 6: printf("sixty"); break;
33        case 7: printf("seventy"); break;
34        case 8: printf("eighty"); break;
35        case 9: printf("ninety"); break;
36    }
37    switch(second) { //second digit
38        case 1: printf("-one"); break;
39        case 2: printf("-two"); break;
40        case 3: printf("-three"); break;
41        case 4: printf("-four"); break;
42        case 5: printf("-five"); break;
43        case 6: printf("-six"); break;
44        case 7: printf("-seven"); break;
45        case 8: printf("-eight"); break;
46        case 9: printf("-nine"); break;
47    }
48    return 0;
49 }

```

"C:\Users\bbmun\OneDrive\Documents\UPV ...

Enter a two-digit number: 17

Number entered in words: seventeen

Process returned 0 (0x0) execution time : 8.073 s

Press any key to continue.