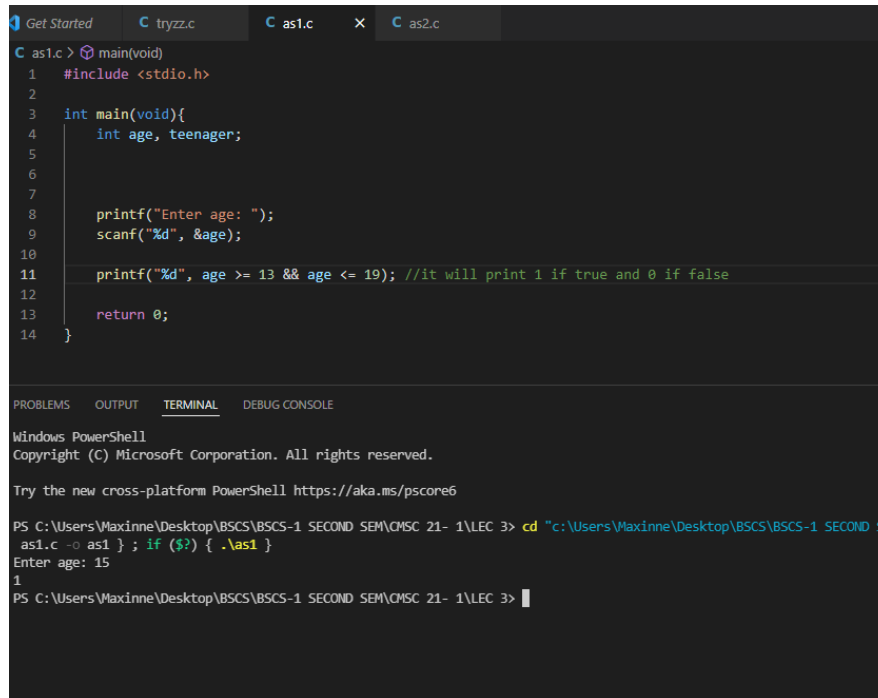


Selection Statements

Lecture 3 Assignments

1.



```
C as1.c > main(void)
1 #include <stdio.h>
2
3 int main(void){
4     int age, teenager;
5
6
7     printf("Enter age: ");
8     scanf("%d", &age);
9
10    printf("%d", age >= 13 && age <= 19); //it will print 1 if true and 0 if false
11
12    return 0;
13 }
14
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

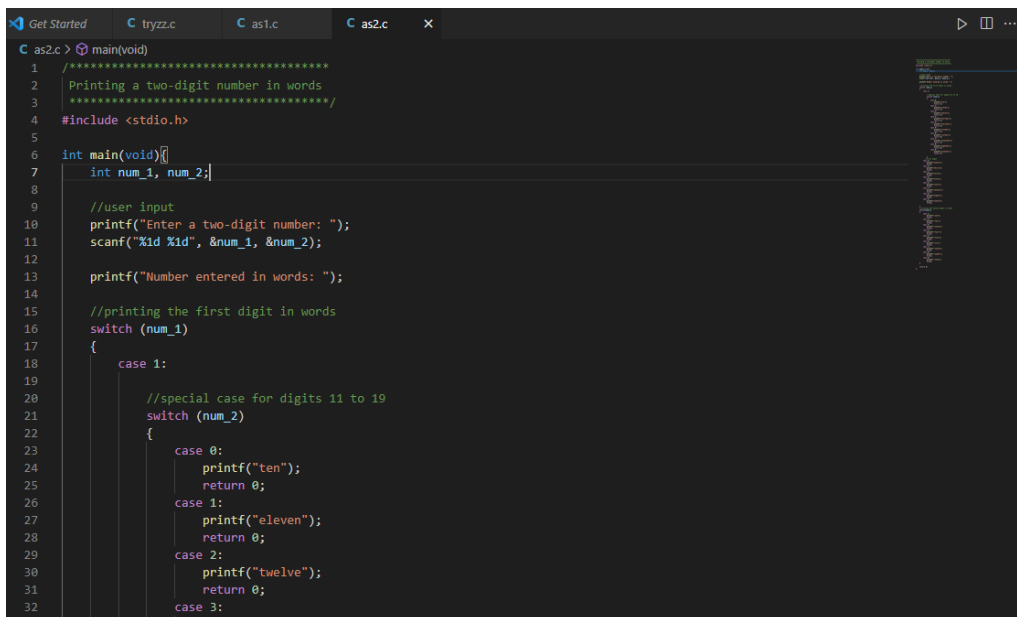
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3> cd "c:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3" & .\as1 } ; if (\$?) { .\as1 }

Enter age: 15

PS C:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3> |

2.



```
C as2.c > main(void)
1 //*****
2 Printing a two-digit number in words
3 //*****
4 #include <stdio.h>
5
6 int main(void){
7     int num_1, num_2;
8
9     //user input
10    printf("Enter a two-digit number: ");
11    scanf("%d %d", &num_1, &num_2);
12
13    printf("Number entered in words: ");
14
15    //printing the first digit in words
16    switch (num_1)
17    {
18        case 1:
19
20            //special case for digits 11 to 19
21            switch (num_2)
22            {
23                case 0:
24                    printf("ten");
25                    return 0;
26                case 1:
27                    printf("eleven");
28                    return 0;
29                case 2:
30                    printf("twelve");
31                    return 0;
32                case 3:
33                    printf("thirteen");
34                    return 0;
35                case 4:
36                    printf("fourteen");
37                    return 0;
38                case 5:
39                    printf("fifteen");
40                    return 0;
41                case 6:
42                    printf("sixteen");
43                    return 0;
44                case 7:
45                    printf("seventeen");
46                    return 0;
47                case 8:
48                    printf("eighteen");
49                    return 0;
50                case 9:
51                    printf("nineteen");
52                    return 0;
53            }
54        case 2:
55            printf("twenty");
56            return 0;
57        case 3:
58            printf("thirty");
59            return 0;
60        case 4:
61            printf("forty");
62            return 0;
63        case 5:
64            printf("fifty");
65            return 0;
66        case 6:
67            printf("sixty");
68            return 0;
69        case 7:
70            printf("seventy");
71            return 0;
72        case 8:
73            printf("eighty");
74            return 0;
75        case 9:
76            printf("ninety");
77            return 0;
78    }
79    return 0;
80 }
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

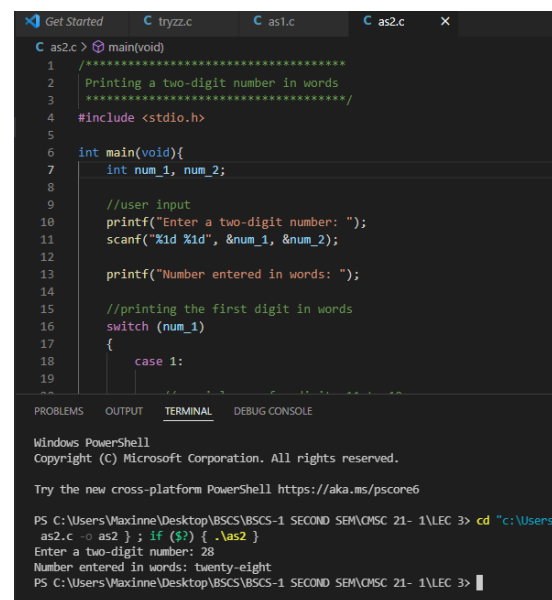
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3> cd "c:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3" & .\as2 }

Enter a two-digit number: 28

Number entered in words: twenty-eight

PS C:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3> |



```
C as2.c > main(void)
1 //*****
2 Printing a two-digit number in words
3 //*****
4 #include <stdio.h>
5
6 int main(void){
7     int num_1, num_2;
8
9     //user input
10    printf("Enter a two-digit number: ");
11    scanf("%d %d", &num_1, &num_2);
12
13    printf("Number entered in words: ");
14
15    //printing the first digit in words
16    switch (num_1)
17    {
18        case 1:
19
20            //special case for digits 11 to 19
21            switch (num_2)
22            {
23                case 0:
24                    printf("ten");
25                    return 0;
26                case 1:
27                    printf("eleven");
28                    return 0;
29                case 2:
30                    printf("twelve");
31                    return 0;
32                case 3:
33                    printf("thirteen");
34                    return 0;
35                case 4:
36                    printf("fourteen");
37                    return 0;
38                case 5:
39                    printf("fifteen");
40                    return 0;
41                case 6:
42                    printf("sixteen");
43                    return 0;
44                case 7:
45                    printf("seventeen");
46                    return 0;
47                case 8:
48                    printf("eighteen");
49                    return 0;
50                case 9:
51                    printf("nineteen");
52                    return 0;
53            }
54        case 2:
55            printf("twenty");
56            return 0;
57        case 3:
58            printf("thirty");
59            return 0;
60        case 4:
61            printf("forty");
62            return 0;
63        case 5:
64            printf("fifty");
65            return 0;
66        case 6:
67            printf("sixty");
68            return 0;
69        case 7:
70            printf("seventy");
71            return 0;
72        case 8:
73            printf("eighty");
74            return 0;
75        case 9:
76            printf("ninety");
77            return 0;
78    }
79    return 0;
80 }
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3> cd "c:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3" & .\as2 }

Enter a two-digit number: 28

Number entered in words: twenty-eight

PS C:\Users\Maxinne\Desktop\BSCS\BSCS-1 SECOND SEM\CMSC 21- 1\LEC 3> |