```c
 1   // Q21: Write a program to display the month name and number of days using switch-case for a given month number.
 2
 3   /*
 4   Sample Test Cases:
 5   Input 1:
 6   2
 7   Output 1:
 8   February, 28 days
 9
10   Input 2:
11   12
12   Output 2:
13   December, 31 days
14
15   */
16
17   #include <stdio.h>
18
19   int main() {
20       int m;
21       printf("Enter month number (1-12): ");
22       scanf("%d", &m);
23
24       switch (m) {
25           case 1:  printf("January - 31 days"); break;
26           case 2:  printf("February - 28/29 days"); break;
27           case 3:  printf("March - 31 days"); break;
28           case 4:  printf("April - 30 days"); break;
29           case 5:  printf("May - 31 days"); break;
30           case 6:  printf("June - 30 days"); break;
31           case 7:  printf("July - 31 days"); break;
32           case 8:  printf("August - 31 days"); break;
33           case 9:  printf("September - 30 days"); break;
34           case 10: printf("October - 31 days"); break;
35           case 11: printf("November - 30 days"); break;
36           case 12: printf("December - 31 days"); break;
37           default: printf("Invalid month number");
38       }
39
40       return 0;
41   }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day11_q21.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter month number (1-12): 2
February - 28/29 days
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day11_q21.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter month number (1-12): 12
December - 31 days
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```

C day11_q22.c > ⊕ main()

```c
1    // Q22: Write a program to find profit or loss percentage given cost price and selling price.
2
3    /*
4    Sample Test Cases:
5    Input 1:
6    1000 1200
7    Output 1:
8    Profit 20%
9
10   Input 2:
11   1000 800
12   Output 2:
13   Loss 20%
14
15   Input 3:
16   1000 1000
17   Output 3:
18   No Profit No Loss
19
20   */
21
22   #include <stdio.h>
23
24   int main() {
25       float cp, sp, profit, loss, percent;
26
27       printf("Enter cost price: ");
28       scanf("%f", &cp);
29       printf("Enter selling price: ");
30       scanf("%f", &sp);
31
32       if (sp > cp) {
33           profit = sp - cp;
34           percent = (profit / cp) * 100;
35           printf("Profit percentage = %.2f", percent);
36       } else if (cp > sp) {
37           loss = cp - sp;
38           percent = (loss / cp) * 100;
39           printf("Loss percentage = %.2f", percent);
40       } else {
41           printf("No profit no loss");
42       }
43
44       return 0;
45   }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day11_q22.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter cost price: 1000
Enter selling price: 1200
Profit percentage = 20.00
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day11_q22.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter cost price: 1000
Enter selling price: 800
Loss percentage = 20.00
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```