

```

1 #include <stdio.h>
2
3 enum Days {
4     SUNDAY,
5     MONDAY,
6     TUESDAY,
7     WEDNESDAY,
8     THURSDAY,
9     FRIDAY,
10    SATURDAY
11 };
12
13 int main() {
14     enum Days d;
15
16     for (d = SUNDAY; d <= SATURDAY; d++) {
17         printf("%d ", d);
18         switch (d) {
19             case SUNDAY:    printf("SUNDAY\n"); break;
20             case MONDAY:   printf("MONDAY\n"); break;
21             case TUESDAY:  printf("TUESDAY\n"); break;
22             case WEDNESDAY:printf("WEDNESDAY\n"); break;
23             case THURSDAY: printf("THURSDAY\n"); break;
24             case FRIDAY:   printf("FRIDAY\n"); break;
25             case SATURDAY: printf("SATURDAY\n"); break;
26         }
27     }
28
29     return 0;
30 }
31

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/tempCodeRunnerFile"
nikhilsisodia@Nikhils-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile
0 SUNDAY
1 MONDAY
2 TUESDAY
3 WEDNESDAY
4 THURSDAY
5 FRIDAY
6 SATURDAY
nikhilsisodia@Nikhils-MacBook-Air T %

```

```
1 #include <stdio.h>
2
3 enum TrafficLight {
4     RED,
5     YELLOW,
6     GREEN
7 };
8
9 int main() {
10     enum TrafficLight signal;
11
12     printf("Enter traffic light (0=RED, 1=YELLOW, 2=GREEN): ");
13     scanf("%d", (int*)&signal);
14
15     if (signal == RED)
16         printf("Stop\n");
17     else if (signal == YELLOW)
18         printf("Wait\n");
19     else if (signal == GREEN)
20         printf("Go\n");
21     else
22         printf("Invalid input\n");
23
24     return 0;
25 }
26
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/tempCodeRunnerFile"
nikhilsisodia@Nikhils-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile
Enter traffic light (0=RED, 1=YELLOW, 2=GREEN): 0
Stop
nikhilsisodia@Nikhils-MacBook-Air T %
```

```

1 #include <stdio.h>
2
3 enum Month {
4     JANUARY = 1,
5     FEBRUARY,
6     MARCH,
7     APRIL,
8     MAY,
9     JUNE,
10    JULY,
11    AUGUST,
12    SEPTEMBER,
13    OCTOBER,
14    NOVEMBER,
15    DECEMBER
16 };
17
18 int main() {
19     enum Month m;
20
21     for (m = JANUARY; m <= DECEMBER; m++) {
22         printf("%2d ", m);
23
24         switch (m) {
25             case JANUARY:   printf("January   - 31 days\n"); break;
26             case FEBRUARY:  printf("February  - 28 or 29 days\n"); break;
27             case MARCH:     printf("March      - 31 days\n"); break;
28             case APRIL:     printf("April      - 30 days\n"); break;
29             case MAY:       printf("May        - 31 days\n"); break;
30             case JUNE:      printf("June       - 30 days\n"); break;
31             case JULY:      printf("July       - 31 days\n"); break;

```

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```

cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/tempCodeRunnerFile"
● nikhilsisodia@Nikhils-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile
1 January   - 31 days
2 February  - 28 or 29 days
3 March     - 31 days
4 April     - 30 days
5 May       - 31 days
6 June      - 30 days
7 July      - 31 days
8 August    - 31 days
9 September - 30 days
10 October   - 31 days
11 November  - 30 days
12 December  - 31 days
○ nikhilsisodia@Nikhils-MacBook-Air T %

```

```
1 #include <stdio.h>
2
3 enum Status {
4     SUCCESS,
5     FAILURE,
6     TIMEOUT
7 };
8
9 int main() {
10     enum Status s;
11
12     printf("Enter status (0=SUCCESS, 1=FAILURE, 2=TIMEOUT): ");
13     scanf("%d", &s);
14
15     if (s == SUCCESS)
16         printf("Operation completed successfully.\n");
17     else if (s == FAILURE)
18         printf("Operation failed.\n");
19     else if (s == TIMEOUT)
20         printf("Operation timed out.\n");
21     else
22         printf("Invalid status.\n");
23
24     return 0;
25 }
26
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/tempCodeRunnerFile"
nikhilsisodia@Nikhils-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile
Enter status (0=SUCCESS, 1=FAILURE, 2=TIMEOUT): 2
Operation timed out.
nikhilsisodia@Nikhils-MacBook-Air T %
```

```
1 #include <stdio.h>
2
3 enum Status {
4     SUCCESS = 10,
5     FAILURE = 11,
6     TIMEOUT = 12
7 };
8
9 int main() {
10     enum Status s;
11
12     for (s = SUCCESS; s <= TIMEOUT; s++) {
13         printf("Value: %d -> ", s);
14
15         switch (s) {
16             case SUCCESS: printf("SUCCESS\n"); break;
17             case FAILURE: printf("FAILURE\n"); break;
18             case TIMEOUT: printf("TIMEOUT\n"); break;
19         }
20     }
21
22     return 0;
23 }
24
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/"tempCodeRunnerFile
● nikhilsisodia@Nikhils-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile
tempCodeRunnerFile
Value: 10 -> SUCCESS
Value: 11 -> FAILURE
Value: 12 -> TIMEOUT
○ nikhilsisodia@Nikhils-MacBook-Air T %
```

```

1 #include <stdio.h>
2
3 enum Operation {
4     ADD = 1,
5     SUBTRACT,
6     MULTIPLY
7 };
8
9 int main() {
10     int choice, a, b;
11
12     printf("Enter two numbers: ");
13     scanf("%d %d", &a, &b);
14
15     printf("\nMenu:\n");
16     printf("1. ADD\n");
17     printf("2. SUBTRACT\n");
18     printf("3. MULTIPLY\n");
19     printf("Enter your choice: ");
20     scanf("%d", &choice);
21
22     switch ((enum Operation)choice) {
23         case ADD:
24             printf("Result: %d\n", a + b);
25             break;
26         case SUBTRACT:
27             printf("Result: %d\n", a - b);
28             break;
29         case MULTIPLY:
30             printf("Result: %d\n", a * b);
31             break;

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

cd "/var/folders/mp/q\_89ln6x0\_1\_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q\_89ln6x0\_1\_3z1sjbnr0mn000gn/T/tempCodeRunnerFile" Enter two numbers: 3 5

Menu:  
1. ADD  
2. SUBTRACT  
3. MULTIPLY  
Enter your choice: 2  
Result: -2

nikhilsisodia@Nikhils-MacBook-Air ~ %

```
1 #include <stdio.h>
2
3 enum Role {
4     ADMIN = 1,
5     USER,
6     GUEST
7 };
8
9 int main() {
10     int choice;
11
12     printf("Select Role:\n");
13     printf("1. ADMIN\n");
14     printf("2. USER\n");
15     printf("3. GUEST\n");
16     printf("Enter your choice: ");
17     scanf("%d", &choice);
18
19     switch ((enum Role)choice) {
20         case ADMIN:
21             printf("Welcome Admin! You have full access.\n");
22             break;
23
24         case USER:
25             printf("Welcome User! You have limited access.\n");
26             break;
27
28         case GUEST:
29             printf("Welcome Guest! You can browse only.\n");
30             break;
31     }
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/"tempCodeRunnerFile
nikhilsisodia@Nikhils-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile
Select Role:
1. ADMIN
2. USER
3. GUEST
Enter your choice: 1
Welcome Admin! You have full access.
nikhilsisodia@Nikhils-MacBook-Air T %
```

```
1 #include <stdio.h>
2
3 enum Weekday {
4     SUNDAY = 0,
5     MONDAY,
6     TUESDAY,
7     WEDNESDAY,
8     THURSDAY,
9     FRIDAY,
10    SATURDAY
11 };
12
13 int main() {
14     enum Weekday day;
15
16     const char *names[] = {
17         "SUNDAY",
18         "MONDAY",
19         "TUESDAY",
20         "WEDNESDAY",
21         "THURSDAY",
22         "FRIDAY",
23         "SATURDAY"
24     };
25
26     for (day = SUNDAY; day <= SATURDAY; day++) {
27         printf("%d -> %s\n", day, names[day]);
28     }
29
30     return 0;
31 }
```

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```
cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mnr0000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mnr0000gn/T/"tempCodeRunnerFile
● nikhilsisodia@Nikhils-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mnr0000gn/T/" && gcc tempCodeRunnerFile
tempCodeRunnerFile
0 -> SUNDAY
1 -> MONDAY
2 -> TUESDAY
3 -> WEDNESDAY
4 -> THURSDAY
5 -> FRIDAY
6 -> SATURDAY
○ nikhilsisodia@Nikhils-MacBook-Air T %
```

```
1 #include <stdio.h>
2
3 enum Demo {
4     A = 5,
5     B = 10,
6     C = 15
7 };
8
9 int main() {
10    printf("A = %d\n", A);
11    printf("B = %d\n", B);
12    printf("C = %d\n", C);
13
14    return 0;
15 }
16
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

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nikhilsisodia@Nikhils-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mnr0000gn/T/" && gcc tempCodeRunnerFile
A = 5
B = 10
C = 15
nikhilsisodia@Nikhils-MacBook-Air T %
```

```

1 #include <stdio.h>
2
3 enum Gender {
4     MALE,
5     FEMALE,
6     OTHER
7 };
8
9 struct Person {
10     char name[50];
11     enum Gender gender;
12 };
13
14 int main() {
15     struct Person p;
16
17     printf("Enter name: ");
18     scanf("%s", p.name);
19
20     printf("Enter gender (0 = MALE, 1 = FEMALE, 2 = OTHER): ");
21     scanf("%d", (int*)&p.gender);
22
23     printf("\nName: %s\n", p.name);
24
25     if (p.gender == MALE)
26         printf("Gender: MALE\n");
27     else if (p.gender == FEMALE)
28         printf("Gender: FEMALE\n");
29     else if (p.gender == OTHER)
30         printf("Gender: OTHER\n");
31     else

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/tempCodeRunnerFile"
nikhilsisodia@Nikhil-MacBook-Air ~ % cd "/var/folders/mp/q_89ln6x0_1_3z1sjbnr0mn000gn/T/" && gcc tempCodeRunnerFile
Enter name: Nikhil
Enter gender (0 = MALE, 1 = FEMALE, 2 = OTHER): 0
Name: Nikhil
Gender: MALE

```

nikhilsisodia@Nikhil-MacBook-Air T %