

```

C day13_q25.c > main()
1 // Q25: Write a program to implement a basic calculator using switch-case for +, -, *, /, %.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 4 2 +
7 Output 1:
8 6
9
10 Input 2:
11 10 3 %
12 Output 2:
13 1
14
15 Input 3:
16 15 5 /
17 Output 3:
18 3
19
20 */
21
22 #include <stdio.h>
23
24 int main() {
25     char op;
26     int a, b;
27     printf("Enter operator (+, -, *, /, %): ");
28     scanf("%c", &op);
29     printf("Enter two integers: ");
30     scanf("%d %d", &a, &b);
31
32     switch (op) {
33         case '+': printf("%d", a + b); break;
34         case '-': printf("%d", a - b); break;
35         case '*': printf("%d", a * b); break;
36         case '/':
37             if (b != 0) printf("%d", a / b);
38             else printf("Error");
39             break;
40         case '%':
41             if (b != 0) printf("%d", a % b);
42             else printf("Error");
43             break;
44         default: printf("Invalid operator");
45     }
46     return 0;
47 }
48

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day13_q25.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter operator (+, -, *, /, %): +
Enter two integers: 4 2
6
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day13_q25.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter operator (+, -, *, /, %): %
Enter two integers: 10 3
1
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day13_q25.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter operator (+, -, *, /, %): /
Enter two integers: 15 5
3
PS C:\Users\drago\OneDrive\Desktop\C H.W> █

```

```
C day8_q15.c      C day8_q16.c      C day9_q17.c      C day9_q18.c      C day10_q20.c     C day11_q21.c     C day11_q2
```

C day13\_q26.c > main()

```
1 // Q26: Write a program to print numbers from 1 to n.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 5
7 Output 1:
8 1 2 3 4 5
9
10 Input 2:
11 3
12 Output 2:
13 1 2 3
14
15 */
16
17 #include <stdio.h>
18
19 int main() {
20     int n, i = 1;
21     printf("Enter n: ");
22     scanf("%d", &n);
23
24     while (i <= n) {
25         printf("%d ", i);
26         i++;
27     }
28
29     return 0;
30 }
31
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day13\_q26.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

Enter n: 5

1 2 3 4 5

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day13\_q26.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

Enter n: 3

1 2 3

PS C:\Users\drago\OneDrive\Desktop\C H.W> █