

C day18\_q35.c > ...

```
1 // Q35: Write a program to print all factors of a given number.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 6
7 Output 1:
8 1 2 3 6
9
10 Input 2:
11 10
12 Output 2:
13 1 2 5 10
14
15 */
16
17 #include <stdio.h>
18
19 int main() {
20     int n, i;
21     scanf("%d", &n);
22     for (i = 1; i <= n; i++) {
23         if (n % i == 0)
24             printf("%d ", i);
25     }
26     printf("\n");
27     return 0;
28 }
29
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day18\_q35.c

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

6

1 2 3 6

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day18\_q35.c

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

10

1 2 5 10

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

C 02\_activity.c > ...

```
1 // Q36: Write a program to find the HCF (GCD) of two numbers.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 12 18
7 Output 1:
8 6
9
10 Input 2:
11 7 9
12 Output 2:
13 1
14
15 */
16
17 #include <stdio.h>
18
19 int gcd(int num1, int num2) {
20     if (num2 == 0)
21         return num1;
22     else
23         return gcd(num2, num1 % num2);
24 }
25
26 int main() {
27     int a, b;
28     printf("Enter two integers: ");
29     scanf("%d %d", &a, &b);
30
31     printf("GCD of %d and %d is %d\n", a, b, gcd(a, b));
32     return 0;
33 }
34
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\02\_activity.c

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

Enter two integers: 12 18

GCD of 12 and 18 is 6

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\02\_activity.c

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

Enter two integers: 7 9

GCD of 7 and 9 is 1

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