

```

C day20_q39.c > main()
1 // Q39: Write a program to find the product of odd digits of a number.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 12345
7 Output 1:
8 15 (1*3*5)
9
10 Input 2:
11 2468
12 Output 2:
13 1 (no odd digits, assume 1)
14
15 */
16
17 #include <stdio.h>
18
19 int main() {
20     int num, remainder, product = 1, found = 0;
21     scanf("%d", &num);
22     while (num != 0) {
23         remainder = num % 10;
24         if (remainder % 2 != 0) {
25             product *= remainder;
26             found = 1;
27         }
28         num /= 10;
29     }
30     if (found)
31         printf("%d\n", product);
32     else
33         printf("1 (no odd digits, assume 1)\n");
34     return 0;
35 }

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day20_q39.c

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

12345

15

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day20_q39.c

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

2468

1 (no odd digits, assume 1)

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

C day20_q40.c > ...

```
1 // Q40: Write a program to find the 1's complement of a binary number and print it.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 1010
7 Output 1:
8 0101
9
10 Input 2:
11 1111
12 Output 2:
13 0000
14
15 */
16
17 #include <stdio.h>
18
19 int main() {
20     char binary[100];
21     int i = 0;
22     scanf("%s", binary);
23     while (binary[i] != '\0') {
24         if (binary[i] == '0')
25             binary[i] = '1';
26         else if (binary[i] == '1')
27             binary[i] = '0';
28         i++;
29     }
30     printf("%s\n", binary);
31     return 0;
32 }
33
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day20_q40.c

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

1010

0101

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day20_q40.c

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

1111

0000

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