

main.c



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Run

Output

```
1 //DAY 20
2 //Q39
3 #include<stdio.h>
4 int main() {
5     int num, remainder;
6     long long product = 1;
7     int foundOdd = 0;
8
9     printf("Enter a number: ");
10    scanf("%d", &num);
11
12    int temp = num;
13
14    while (temp != 0) {
15        remainder = temp % 10;
16        if (remainder % 2 != 0) {
17            product *= remainder;
18            foundOdd = 1;
19        }
20        temp /= 10;
21    }
22    if (foundOdd) {
23        printf("Product of odd digits of %d = %lld\n", num, product);
24    } else {
25        printf("No odd digits in %d.\n", num);
26    }
27
28    return 0;
29 }
```

Enter a number: 12345
Product of odd digits of 12345 = 15

=== Code Execution Successful ===

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Output

```
1 //DAY 20
2 //Q40
3 #include <stdio.h>
4 #include <string.h>
5
6 int main() {
7     char binary[100];
8     int i;
9
10    printf("Enter a binary number: ");
11    scanf("%s", binary);
12
13    printf("1's complement of %s is: ", binary);
14
15    for (i = 0; i < strlen(binary); i++) {
16        if (binary[i] == '0')
17            printf("1");
18        else if (binary[i] == '1')
19            printf("0");
20        else {
21            printf("\nInvalid binary digit encountered!\n");
22            return 1;
23        }
24    }
25
26    printf("\n");
27    return 0;
28 }
```

Enter a binary number: 1010
1's complement of 1010 is: 0101

=== Code Execution Successful ===