

main.c



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Run

Output

```
1 //DAY 21
2 //Q41
3 #include <stdio.h>
4 #include <math.h>
5
6 int main() {
7     int num, firstDigit, lastDigit, digits, swappedNum;
8
9     printf("Enter a number: ");
10    scanf("%d", &num);
11
12    digits = (int)log10(num);
13
14    firstDigit = num / pow(10, digits);
15    lastDigit = num % 10;
16
17    swappedNum = lastDigit * pow(10, digits) + (num % (int)pow(10, digits)) / 10
        * 10 + firstDigit;
18
19    printf("Number after swapping first and last digit: %d\n", swappedNum);
20
21    return 0;
22 }
```

Enter a number: 1234  
Number after swapping first and last digit: 4231

=== Code Execution Successful ===

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Output

```
1 //DAY 21
2 //Q42
3 #include <stdio.h>
4
5 int main() {
6     int num, i, sum = 0;
7
8     printf("Enter a number: ");
9     scanf("%d", &num);
10
11     for (i = 1; i <= num / 2; i++) {
12         if (num % i == 0) {
13             sum += i;
14         }
15     }
16
17     if (sum == num)
18         printf("%d is a Perfect Number.\n", num);
19     else
20         printf("%d is not a Perfect Number.\n", num);
21
22     return 0;
23 }
```

Enter a number: 6  
6 is a Perfect Number.

=== Code Execution Successful ===