

C programming26 for loop

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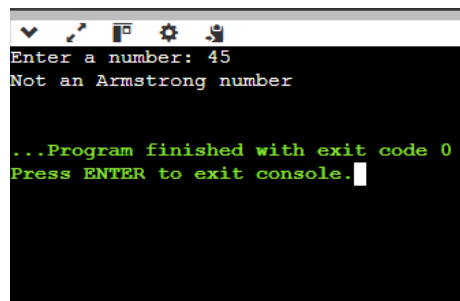
1 Check whether a given number is Armstrong number or not

```
#include <stdio.h>

int main() {
    int num, temp, digit, sum = 0;
    printf("Enter a number: ");
    scanf("%d", &num);

    temp = num;
    while (temp > 0) {
        digit = temp % 10;
        sum += digit * digit * digit;
        temp /= 10;
    }

    if (sum == num)
        printf("Armstrong number\n");
    else
        printf("Not an Armstrong number\n");
    return 0;
}
```

A screenshot of a terminal window with a dark background. The window has a title bar with standard icons. The text inside the terminal is as follows:

```
Enter a number: 45  
Not an Armstrong number  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

A white cursor is visible at the end of the last line.

Figure 1: Enter Caption