```c
//In this code we will do a program about
logical operators

int main() {
    int num;

    // Input
    printf("Enter a number: ");
    scanf("%d", &num);


    if (num >= 10 && num <= 50) {
        if (num % 2 == 0) {
            printf("The number %d is within
the range 10-50 and is even.\n", num);
        } else {
            printf("The number %d is within
the range 10-50 but is not even.\n", num);
        }
    } else {
        printf("The number %d is outside the
range 10-50.\n", num);
    }

    return 0;
}
```