Write a C program that will take a character as input and convert it into uppercase if it is given as lowercase and vice-versa.

Source Code

```
∝ Share
main.c
 1 #include<stdio.h>
 2 #include<ctype.h>
 3
4 - int main() {
        char ch;
 5
        printf("Enter a character: ");
 6
        scanf("%c", &ch);
7
 8
9 +
        if (islower(ch)) {
            ch = toupper(ch);
10
11
        }
       else if (isupper(ch)) {
12 -
13
            ch = tolower(ch);
14
        }
15
        printf("Converted character: %c\n", ch);
16
17
        return 0;
18
19 }
```

Write a C program to perform various formatted input/output operations on floating point numbers.

Source Code

```
Output
main.c
                                            12.35
   #include <stdio.h>
                                            result: 12.350000
 2
                                            1.235e+02
 3 - int main() {
                                            result: 1.235000e+02
        float x, a;
                                            3.45
 5
                                            result: 3.45
        scanf("%f", &x);
 6
 7
        printf("result: %f\n", x);
                                            12.3450
 8
                                            12.35
 9
        scanf("%e", &x);
                                            12.35
        printf("result: %e\n", x);
10
                                            0000012.35
11
                                              1.23e+01
        scanf("%g", &x);
12
                                            1.23e+01
        printf("result: %g\n\n", x);
13
                                            1.234500e+01
14
                                            1.234500E+01
15
        a = 12.345;
16
                                            === Code Execution Successful ===
17
        printf("%7.4f\n", a);
18
        printf("%.2f\n", a);
        printf("%-7.2f\n", a);
19
        printf("%010.2f\n", a);
20
21
        printf("%10.2e\n", a);
        printf("%-10.2e\n", a);
22
23
        printf("%e\n", a);
        printf("%E\n", a);
24
25
26
        return 0;
27 }
```

Write a C program for converting days into years, months and days.

Source Code

```
∝ Share
main.c
                                                                          Run
1 #include<stdio.h>
2
3 - int main() {
        int totalDays, years, months, days;
        printf("Enter dyas: ");
 5
 6
        scanf("%d", &totalDays);
7
        years = totalDays / 365;
 8
        totalDays = totalDays % 365;
9
        months = totalDays / 30;
10
        days = totalDays % 30;
11
12
        printf("Years: %d, Moths: %d, Days: %d\n", years, months, days);
13
14
15
       return 0;
16 }
```

```
Output

Enter dyas: 900
Years: 2, Moths: 5, Days: 20

=== Code Execution Successful ===
```

Write a C program for assigning $(1 > 4 \parallel 3 ! = 5)$ to a variable and print its value.

Source Code

```
main.c

1  #include<stdio.h>
2

3 * int main() {
    int n;
    n = (1>4 || 3!=5);
    printf("Result: %d\n", n);
    return 0;
8 }
```

```
Output

Result: 1

=== Code Execution Successful ===
```

Write a C program to check whether a number is even or odd using bitwise operator.

Source Code

```
main.c
1 #include<stdio.h>
3 - int main() {
      int num;
     printf("Enter a number: ");
5
       scanf("%d", &num);
7
     if(num & 1) {
9
          printf("Odd\n");
10 -
     } else {
          printf("Even\n");
11
12
       return 0;
13
14 }
```

```
Output

Enter a number: 5
Odd

Enter a number: 20
Even

=== Code Execution Successful === === Code Execution Successful ===
```