



main.c

Output



```
1  #include <stdio.h>
2
3  // Function to check leap year
4  void checkLeapYear(int year) {
5      if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0))
6          printf("%d is a Leap Year.\n",
7                  year);
8      else
9          printf("%d is Not a Leap Year
10                 .\n", year);
11 }
12
13 // Function to convert temperature
14 void temperatureConversion() {
15     float temp, converted;
16     int choice;
17
18     printf("\n1. Celsius to
19           Fahrenheit\n");
20     printf("2. Fahrenheit to
21           Celsius\n");
22     printf("Enter your choice: ");
23     scanf("%d", &choice);
24
25     if (choice == 1) {
26         printf("Enter temperature in
27               Celsius: ");
```

Run



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```
23     scanf("%f", &temp);
24     converted = (temp * 9 / 5) +
                32;
25     printf("Temperature in
            Fahrenheit: %.2f\n",
            converted);
26 } else if (choice == 2) {
27     printf("Enter temperature in
            Fahrenheit: ");
28     scanf("%f", &temp);
29     converted = (temp - 32) * 5 /
                9;
30     printf("Temperature in Celsius
            : %.2f\n", converted);
31 } else {
32     printf("Invalid choice!\n");
33 }
34 }
35
36 int main() {
37     int year;
38
39     printf("Enter a year: ");
40     scanf("%d", &year);
41     checkLeapYear(year);
42
43     temperatureConversion();
44
```

Run



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Output



```
32;
25     printf("Temperature in
        Fahrenheit: %.2f\n",
        converted);
26 } else if (choice == 2) {
27     printf("Enter temperature in
        Fahrenheit: ");
28     scanf("%f", &temp);
29     converted = (temp - 32) * 5 /
        9;
30     printf("Temperature in Celsius
        : %.2f\n", converted);
31 } else {
32     printf("Invalid choice!\n");
33 }
34 }
35
36 int main() {
37     int year;
38
39     printf("Enter a year: ");
40     scanf("%d", &year);
41     checkLeapYear(year);
42
43     temperatureConversion();
44
45     return 0;
46 }
```

Run



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Output



Enter a year: 2024  
2024 is a Leap Year.

1. Celsius to Fahrenheit
2. Fahrenheit to Celsius

Enter your choice: 1

Enter temperature in Celsius: 37

Temperature in Fahrenheit: 98.60

=== Code Execution Successful ===