

switch_5.c

```
1  #include <stdio.h>
2
3  // write a program to check leap year using switch case in C.
4
5  int main() {
6      int year;
7      int isLeap;
8
9      printf("Enter a year: ");
10     scanf("%d", &year);
11
12     // Determine if the year is a leap year
13     if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)) {
14         isLeap = 1; // Leap year
15     } else {
16         isLeap = 0; // Not a leap year
17     }
18
19     switch (isLeap) {
20         case 1:
21             printf("%d is a leap year.\n", year);
22             break;
23         case 0:
24             printf("%d is not a leap year.\n", year);
25             break;
26         default:
27             printf("Error determining if %d is a leap year.\n", year);
28             break;
29     }
30
31     return 0;
32 }
```