

Q.4: Create integer variable assign any year to it and check if a year is leap year or not. If a year is divisible by 4 then it is leap year but if the year is century year like 2000, 1900, 2100 then it must be divisible by 400. i.e: Use % (modulus) operator.

```
void main() {  
  
    int year = 2024;  
  
    if (year % 4 == 0) {  
        if (year % 100 == 0) {  
            if (year % 400 == 0) {  
                print("$year is a leap year");  
            } else {  
                print("$year is not a leap year");  
            }  
        } else {  
            print("$year is a leap year");  
        }  
    } else {  
        print("$year is not a leap year");  
    }  
}
```