You are working on problem set: Project 5 (Pause)

DateOperators

Language/Type: C++ classes operator overloading
Related Links: ostream

Assume that a class of objects named `Date` has been created.

member name	description
`Date(m, d)`	constructs a new date representing the given month and day
`getDay()`	returns the day
`getMonth()`	returns the month

Define the following overloaded operators to work with the `Date` class: <<

operator name	description
<<	writes a date to an output stream in a format such as "9/17"
==	returns whether two dates are equal
!=	returns whether two dates are unequal

.
.
.

```
1 // friend declaration does not declare a member function
2 // this operator<< still needs to be defined, as a non-member
3 ostream& operator<<(ostream& out, const Date& d)
```

```
4  {
5      return out << d.getMonth() << "/" << d.getDay();
6  }
7
8  bool operator==(Date a, Date b) {
9      return ((a.getMonth() == b.getMonth()) &&
10             (a.getDay() == b.getDay()));
11 }
12 bool operator!=(Date a, Date b) {
13     return ((a.getMonth() != b.getMonth()) ||
14         (a.getDay() != b.getDay()));
15 }
```

Function: Write a C++ function as described, not a complete program.

Submit

You passed 3 of 3 tests.

test #1:	==
assertion:	== result 1
value:	false
assertion:	== result 2
value:	true
assertion:	== result 3
value:	false
assertion:	== result 4
value:	true
result:	pass

test #2:	!=
assertion:	!= result 1
value:	true
assertion:	!= result 2
value:	false
assertion:	!= result 3
value:	true
assertion:	!= result 4
value:	false
result:	pass

test #3:	<<
assertion:	<< result 1

value:	"12/25"
assertion:	<< result 2
value:	"9/7"
result:	pass

Testing began at 2023/05/19 07:47 (PDT) and ran for 1160 ms.

Need help?

Stuck on an exercise? Contact your TA or instructor .

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