

APEX Tests

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VerifyDate class :

```
public class VerifyDate {

    public static Date CheckDates(Date date1, Date date2) {

        if(DateWithin30Days(date1,date2)) {

            return date2;

        } else {

            return SetEndOfMonthDate(date1);

        }

    }

    private static Boolean DateWithin30Days(Date date1, Date date2) {

        if( date2 < date1) { return false; }

        Date date30Days = date1.addDays(30);

        if( date2 >= date30Days ) { return false; }

        else { return true; }

    }

    private static Date SetEndOfMonthDate(Date date1) {

        Integer totalDays = Date.daysInMonth(date1.year(), date1.month());

        Date lastDay = Date.newInstance(date1.year(), date1.month(), totalDays);

        return lastDay;

    }

}
```

$$\}$$
TestVerifyDate :

```
public class TestVerifyDate
```

```
static testMethod void testMethod1()
```

```
Date d = VerifyDate.CheckDates(System.today(),System.today()+1);
```

```
Date d1 = VerifyDate.CheckDates(System.today(),System.today()+60);
```

}

}