

Get started with Apex unit Tests

VerifyDate Apex Class

VerifyDate Apex Class Code: -

```
public class VerifyDate {  
  
    //method to handle potential checks against two dates  
    public static Date CheckDates(Date date1, Date date2) {  
        //if date2 is within the next 30 days of date1, use date2. Otherwise use the end of the month  
        if(DateWithin30Days(date1, date2)) {  
            return date2;  
        }  
        else {  
            return SetEndOfMonthDate(date1);  
        }  
    }  
}
```

Testing VerifyDate

```
//method to check if date2 is within the next 30 days of date1  
@TestVisible private static Boolean DateWithin30Days(Date date1, Date date2) {  
    //check for date2 being in the past  
    if( date2 < date1) { return false; }  
    //check that date2 is within (>=) 30 days of date1  
    Date date30Days = date1.addDays(30); //create a date 30 days away from date1  
    if( date2 >= date30Days ) { return false; }  
    else { return true; }
```

```
    }  
  
    //method to return the end of the month of a given date  
    @TestVisible 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;  
    }  
}
```