Get Started with Apex Unit Tests

Apex Class Name: VerifyDate

```
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);
               }
       }
       //method to check if date2 is within the next 30 days of date1
       private static Boolean DateWithin30Days(Date date1, Date date2) {
               //check for date2 being in the past
       if( date2 < date1) { return false; }</pre>
       //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
       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;
       }
}
```

Apex Test Class Name: TestVerifyDate

Test Apex Triggers

Apex Trigger Name: RestrictContactByName

Code:

Apex Test Class Name: TestRestrictContactByName

```
@isTest
private class TestRestrictContactByName {
    static testMethod void metodoTest()
    {
        List<Contact> listContact= new List<Contact>();
        Contact c1 = new Contact(FirstName='Francesco', LastName='Riggio',
email='Test@test.com');
        Contact c2 = new Contact(FirstName='Francesco1', LastName =
'INVALIDNAME',email='Test@test.com');
        listContact.add(c1);
```

```
listContact.add(c2);

Test.startTest();
    try
    {
        insert listContact;
    }
    catch(Exception ee)
    {
     }

Test.stopTest();
}
```

Create Test Data for Apex Tests

Apex Class Name: RandomContactFactory