

Create a Queueable Apex class that inserts Contacts for Accounts

Create a Queueable Apex class that inserts the same Contact for each Account for a specific state.

- Create an Apex class:
 - Name: `AddPrimaryContact`
 - Interface: `Queueable`
 - Create a constructor for the class that accepts as its first argument a Contact sObject and a second argument as a string for the State abbreviation
 - The `execute` method must query for a maximum of 200 Accounts with the `BillingState` specified by the State abbreviation passed into the constructor and insert the Contact sObject record associated to each Account. Look at the sObject `clone()` method.

```
public class AddPrimaryContact implements Queueable{
    private Contact c;
    private String state;
    public AddPrimaryContact(Contact c, String state){
        this.c = c;
        this.state = state;
    }

    public void execute (QueueableContext context){

        List<Account> ListAccount = [SELECT ID, Name ,(Select id,FirstName,LastName
from contacts ) FROM ACCOUNT WHERE BillingState = :state LIMIT 200];
        List<Contact> lstContact = new List<Contact>();
        for (Account acc:ListAccount)
        {
            Contact cont = c.clone(false,false,false,false);
            cont.AccountId = acc.id;
            lstContact.add( cont );
        }
    }
}
```

```

        if(lstContact.size() >0 )
        {
            insert lstContact;
        }
    }
}

```

- Create an Apex test class:

- Name: `AddPrimaryContactTest`
- In the test class, insert 50 Account records for `BillingState NY` and 50 Account records for `BillingState CA`
- Create an instance of the `AddPrimaryContact` class, enqueue the job, and assert that a Contact record was inserted for each of the 50 Accounts with the `BillingState` of `CA`
- The unit tests must cover all lines of code included in the **AddPrimaryContact** class, resulting in 100% code coverage

- Before verifying this challenge, run your test class at least once using the Developer Console Run All feature

```

@Test
public class AddPrimaryContactTest
{
    @Test static void TestList()
    {
        List<Account> Teste = new List <Account>();
        for(Integer i=0;i<50;i++)
        {
            Teste.add(new Account(BillingState = 'CA', name = 'Test'+i));
        }
        for(Integer j=0;j<50;j++)
        {
            Teste.add(new Account(BillingState = 'NY', name = 'Test'+j));
        }
        insert Teste;

        Contact co = new Contact();
    }
}

```

```
        co.FirstName='demo';
        co.LastName = 'demo';
        insert co;
        String state = 'CA';

        AddPrimaryContact apc = new AddPrimaryContact(co, state);
        Test.startTest();
        System.enqueueJob(apc);
        Test.stopTest();
    }
}
```