Control Processes with Queueable Apex

Code for AddPrimaryContact

```
public class AddPrimaryContact implements Queueable{

    private Contact con;
    private String state;

    public AddPrimaryContact(Contact con, String state){
        this.con = con;
        this.state = state;
    }

    public void execute(QueueableContext context){
        List<Account> accounts = [Select Id, Name, (Select FirstName, LastName, Id
from contacts) from Account where BillingState = :state Limit 200 ];
        List<Contact> primaryContacts = new List<Contact>();
        for(Account acc: accounts){
            Contact c= con.clone();
            c.AccountId = acc.Id;
            primaryContacts.add(c);
        }
        if(primaryContacts.size() > 0){
            insert primaryContacts;

        }
    }


}
```

Code for AddPrimaryContactTest

```
@isTest
public class AddPrimaryContactTest{
   static testmethod void testQueueable(){
     List<Account> testAccounts = new List<Account>();
      for(Integer i=0; i<50; i++){
         testAccounts.add(new Account(Name='Account'+i,BillingState='CA'));
       }
      for(Integer j=0;j<50;j++){
         testAccounts.add(new Account(Name= 'Account'+j,BillingState='NY'));
       }
      insert testAccounts;
     Contact testContact = new Contact(FirstName = 'John', LastName = 'Doe');
      insert testContact;
   AddPrimaryContact addit = new addPrimaryContact(testContact,'CA');
   Test.startTest();
   system.enqueueJob(addit);
   Test.stopTest();
   System.assertEquals(50, [Select count() from Contact where accountId in
(Select id from Account where BillingState = 'CA')]);
   }
}
```