

APEX:

Apex is a coding language of Salesforce. It can be invoked or started using triggers. A trigger is a set of Apex code that runs before or after data manipulation language (DML) events.

With Apex triggers, you can automate tasks that would otherwise be nearly impossible to accomplish using only the Salesforce user interface. Triggers enable you to create custom scripts that you can implement according to your needs, and the only limitation is your coding skills.

There are two Salesforce Apex trigger types:

Before triggers. These are helpful in cases that require a validation process before accepting a change. They run before any database changes.

After triggers. These are helpful in cases where you need to modify your database records and when the necessary value is stored in other records. They run after any database changes.

1)APEX:

1. Click on Set up Gear at drop down list you can find developer console click on that.
2. At the left side top you can find the option new click on that and then apex trigger.
3. Give the name as Deletionofvisarecord
4. And S object has Visa Object
5. Scenario - You cannot delete active visa record

trigger Deletionifvisarecord on Visa_Slot__c (before delete) {

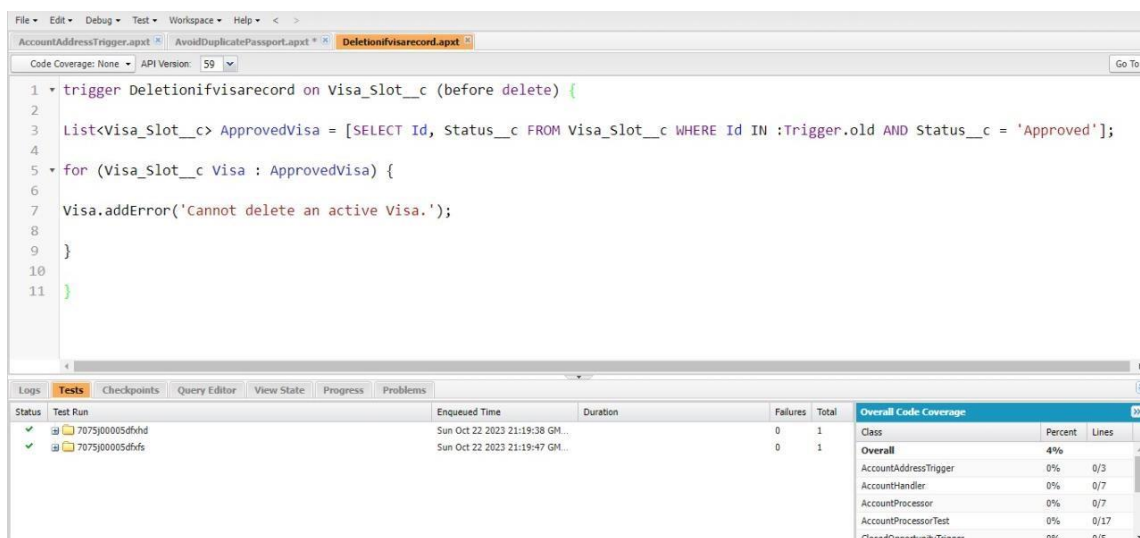
```
List<Visa_Slot_c> ApprovedVisa = [SELECT Id, Status_c
FROM Visa_Slotc WHERE Id IN :Trigger.old AND Status__c =
'Approved'];
```

```
for (Visa_Slot__c Visa : ApprovedVisa) {
```

```
Visa.addError('Cannot delete an active Visa.');
```

```
}
```

```
}
```



2)APEX :

- 1) Click on Set up Gear at drop down list you can find developer console click on that.
- 2) At the left side top you can find the option new click on that and then apex trigger.

- 3) Give the name as AvoidDuplicatePassport
- 4) And S object has Passport Object
- 5) Scenario - trigger on the Passport_c object to avoid duplicate records based on the Full Name and Contact Number fields.
trigger AvoidDuplicatePassports on Passport_c (before insert, before update) {

```

Set<String> uniqueKeys = new Set<String>();

List<Passport_c> duplicatePassports = new
List<Passport_c>(); for (Passport__c passport : Trigger.new)
{
String key = passport.Full_Name_c + "
+ passport.Contact_Number__c;
if (uniqueKeys.contains(key)) {
duplicatePassports.add(passport);

} else {
uniqueKeys.add(key);
}
} for (Passport__c passport :
duplicatePassports) {

passport.addError('Duplicate record found based on Full Name
and Contact Number.');
```

}

}

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AccountAddressTrigger.apxt • **AvoidDuplicatePassport.apxt** • DeletionIfVisarecord.apxt

Code Coverage: None API Version: 59 Go To

```
1 trigger AvoidDuplicatePassports on Passport__c (before insert, before update) {
2
3   Set<String> uniqueKeys = new Set<String>();
4
5   List<Passport__c> duplicatePassports = new List<Passport__c>();
6
7   for (Passport__c passport : Trigger.new) {
8
9     String key = passport.Full_Name__c + '_' + passport.Contact_Number__c;
10
11    if (uniqueKeys.contains(key)) {
12
13      duplicatePassports.add(passport);
14
15    } else {
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Status	Test Run	Enqueued Time	Duration	Failures	Total
✓	7075j00005dfxhd	Sun Oct 22 2023 21:19:38 GM...		0	1
✓	7075j00005dfxfs	Sun Oct 22 2023 21:19:47 GM...		0	1

Overall Code Coverage		
Class	Percent	Lines
Overall	4%	
AccountAddressTrigger	0%	0/3
AccountHandler	0%	0/7
AccountProcessor	0%	0/7
AccountProcessorTest	0%	0/17
ClosedOpportunityTrigger	0%	0/5

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AccountAddressTrigger.apxt • **AvoidDuplicatePassport.apxt** • DeletionIfVisarecord.apxt

Code Coverage: None API Version: 59 Go To

```
15 } else {
16
17   uniqueKeys.add(key);
18
19 }
20
21 }
22
23 for (Passport__c passport : duplicatePassports) {
24
25   passport.addError('Duplicate record found based on Full Name and Contact Number.');
```

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