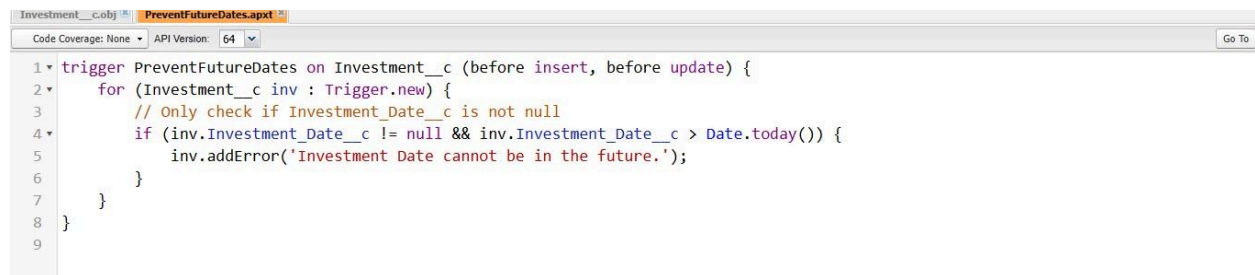


Phase 5: Apex Programming (Developer)

1 - Implemented Apex Triggers

Trigger : Prevent Future Investment Dates

Ensures that investment dates cannot be set in the future.

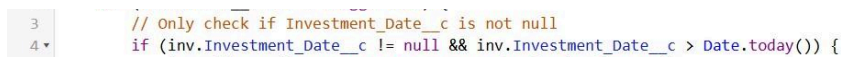


```
1 trigger PreventFutureDates on Investment__c (before insert, before update) {
2     for (Investment__c inv : Trigger.new) {
3         // Only check if Investment_Date__c is not null
4         if (inv.Investment_Date__c != null && inv.Investment_Date__c > Date.today()) {
5             inv.addError('Investment Date cannot be in the future.');
6         }
7     }
8 }
9
```

2 - Control Statements

Partially implemented

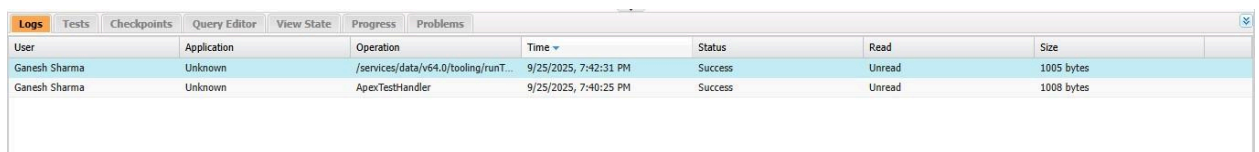
- We used **if** statements to check if date is greater than today.



```
3 // Only check if Investment_Date__c is not null
4 if (inv.Investment_Date__c != null && inv.Investment_Date__c > Date.today()) {
```

3 - Test Classes

- Created **TestPreventFutureDates** class.
- Validates:
Future dates throw error.



Logs	Tests	Checkpoints	Query Editor	View State	Progress	Problems	
User	Application	Operation	Time	Status	Read	Size	
Ganesh Sharma	Unknown	/services/data/v64.0/tooling/runT...	9/25/2025, 7:42:31 PM	Success	Unread	1005 bytes	
Ganesh Sharma	Unknown	ApexTestHandler	9/25/2025, 7:40:25 PM	Success	Unread	1008 bytes	

Valid dates insert successfully.

- Gives **100% code coverage** for the trigger.

