

Note: Few scenarios not mentioned in doc related to Future and Batch Apex (need to update doc)

Scenario : Account Cleanup & Rating Update

Imagine your company's Salesforce org has thousands of **Account** records.

You want to **update the Rating field** on each Account based on its **AnnualRevenue**.

- If AnnualRevenue > 1,000,000 → Rating = "Hot"
- If AnnualRevenue between 500,000 and 1,000,000 → Rating = "Warm"
- Otherwise → Rating = "Cold"

Class: asycAccountRatingBatchTask4

Scenario : Contact Email Validation

Goal: Identify and deactivate invalid email addresses.

Marketing team notices bounce emails in their campaigns.

You create a batch job that goes through all Contacts, checks for invalid email patterns (email not containing @ or .), and updates a field Email_Valid__c to false.

Class: asyncContactEmailValidationBatchTask5

Scenario : Opportunity Stage Update (Auto Close Old Opportunities)

Goal: Automatically close old opportunities.

If an Opportunity has been "**Negotiation/Review**" for more than 30 days, automatically mark it as "**Closed Lost.**"

Class: asycOppCloseBatchTask6

Scenario : Reminder via Email

Send escalation alerts for overdue support cases.

Customer support wants to make sure no cases remain open for too long.

Batch Apex finds all Case records that have been open for more than 3 days and sends a reminder email to the case owner.

//not done

Scenario : Lead Auto-Conversion (Auto Convert Qualified Leads)

Your marketing automation system flags leads as “Qualified.”

Batch Apex checks all such leads (`Status = 'Qualified'`) and converts them automatically into Accounts, Contacts, and Opportunities.