

## Task 1: Fetch Insurance Policies (Fetch + Async/Await)

The screenshot shows the 'Insurance Portal' interface. At the top, there's a navigation bar with links: Fetch • Display • Filter • Premium calc • Discount • Approval • Promise • Errors. Below the navigation is a toolbar with buttons for 'Filter by Type' (All, Health, Life, Vehicle) and 'Actions' (Fetch Policies, Apply 10% Discount (> ₹10,000)). A message bar at the top right says 'Ready. Click 'Fetch Policies' to begin.' In the center, there's a section titled 'Purchase / Approval' with a sub-section 'Enter Policy ID' containing a text input field with placeholder 'e.g. 1'. To the right of this are buttons for 'Callback Approval' (Approve (2s delay)) and 'Promise Purchase' (Purchase (Promise)). A note below says 'Callback approval simulates approval after 2 seconds. Promise purchase converts that logic to Promise and handles success/failure.' At the bottom, a 'Policies' section is visible with a note: 'Training assignment demo — Insurance Mini-Project.'

## Task 2: Display Policies (Objects & Arrays)

The screenshot shows the 'Insurance Portal' interface. The top navigation and toolbar are identical to the previous screenshot. A message bar at the top right says 'Fetched 4 policies successfully.' In the center, there's a section titled 'Purchase / Approval' with a sub-section 'Enter Policy ID' containing a text input field with placeholder 'e.g. 1'. To the right of this are buttons for 'Callback Approval' (Approve (2s delay)) and 'Promise Purchase' (Purchase (Promise)). A note below says 'Callback approval simulates approval after 2 seconds. Promise purchase converts that logic to Promise and handles success/failure.' At the bottom, a 'Policies' section displays four policy objects in a grid:

| Policy        | ID | Type    | Premium | Duration   |
|---------------|----|---------|---------|------------|
| Health Plus   | 1  | Health  | ₹12,000 | 1 year(s)  |
| Life Secure   | 2  | Life    | ₹9,000  | 10 year(s) |
| Car Protect   | 3  | Vehicle | ₹7,000  | 1 year(s)  |
| Family Health | 4  | Health  | ₹15,000 | 2 year(s)  |

### Task 3: Filter Policies (filter)

The screenshot shows the Insurance Portal interface. At the top, there is a navigation bar with links: Fetch, Display, Filter, Premium calc, Discount, Approval, Promise, and Errors. Below the navigation bar is a header section with "Filter by Type" buttons for All, Health, Life, and Vehicle, followed by a "Fetch Policies" button and a message "Apply 10% Discount (> ₹10,000)". The total premium for active policies is displayed as ₹27,000. A message "Messages" indicates "Filter applied: Health".

**Purchase / Approval**

Enter Policy ID: e.g. 1

Callback approval simulates approval after 2 seconds. Promise purchase converts that logic to Promise and handles success/failure.

**Policies**

| Policy Type   | ID | Type   | Premium | Duration  | Action                                |
|---------------|----|--------|---------|-----------|---------------------------------------|
| Health Plus   | 1  | Health | ₹12,000 | 1 year(s) | Approve (2s delay) Purchase (Promise) |
| Family Health | 4  | Health | ₹15,000 | 2 year(s) |                                       |

### Task 4: Calculate Total Premium (reduce)

The screenshot shows the Insurance Portal interface. At the top, there is a navigation bar with links: Fetch, Display, Filter, Premium calc, Discount, Approval, Promise, and Errors. Below the navigation bar is a header section with "Filter by Type" buttons for All, Health, Life, and Vehicle, followed by a "Fetch Policies" button and a message "Apply 10% Discount (> ₹10,000)". The total premium for active policies is displayed as ₹34,000. A message "Messages" indicates "Fetched 4 policies successfully."

**Purchase / Approval**

Enter Policy ID: e.g. 1

Callback approval simulates approval after 2 seconds. Promise purchase converts that logic to Promise and handles success/failure.

**Policies**

| Policy Type   | ID | Type    | Premium | Duration   | Action |
|---------------|----|---------|---------|------------|--------|
| Health Plus   | 1  | Health  | ₹12,000 | 1 year(s)  |        |
| Life Secure   | 2  | Life    | ₹9,000  | 10 year(s) |        |
| Car Protect   | 3  | Vehicle | ₹7,000  | 1 year(s)  |        |
| Family Health | 4  | Health  | ₹15,000 | 2 year(s)  |        |

## Task 5: Premium Discount Logic (map) • Apply 10% discount to policies above ₹10,000

**Insurance Portal**

Fetch • Display • Filter • Premium calc • Discount • Approval • Promise • Errors

Filter by Type: All, Health, Life, Vehicle, Actions: Fetch Policies, Apply 10% Discount (> ₹10,000)

Total Premium (Active Policies): ₹31,300

Messages: Discount applied: 10% off for premiums above ₹10,000.

**Purchase / Approval**

Enter Policy ID: e.g. 1

Callback Approval: Approve (2s delay), Promise Purchase: Purchase (Promise)

Callback approval simulates approval after 2 seconds. Promise purchase converts that logic to Promise and handles success/failure.

**Policies**

| Policy Type   | ID | Type    | Premium | Duration   |
|---------------|----|---------|---------|------------|
| Health Plus   | 1  | Health  | ₹10,800 | 1 year(s)  |
| Life Secure   | 2  | Life    | ₹9,000  | 10 year(s) |
| Car Protect   | 3  | Vehicle | ₹7,000  | 1 year(s)  |
| Family Health | 4  | Health  | ₹13,500 | 2 year(s)  |

## Task 6: Policy Approval Simula on (Callback + setTimeout)

**Insurance Portal**

Fetch • Display • Filter • Premium calc • Discount • Approval • Promise • Errors

Filter by Type: All, Health, Life, Vehicle, Actions: Fetch Policies, Apply 10% Discount (> ₹10,000)

Total Premium (Active Policies): ₹31,300

Messages: Approved: Car Protect (ID 3)

**Purchase / Approval**

Enter Policy ID: 3

Callback Approval: Approve (2s delay), Promise Purchase: Purchase (Promise)

Callback approval simulates approval after 2 seconds. Promise purchase converts that logic to Promise and handles success/failure.

**Policies**

| Policy Type   | ID | Type    | Premium | Duration   |
|---------------|----|---------|---------|------------|
| Health Plus   | 1  | Health  | ₹10,800 | 1 year(s)  |
| Life Secure   | 2  | Life    | ₹9,000  | 10 year(s) |
| Car Protect   | 3  | Vehicle | ₹7,000  | 1 year(s)  |
| Family Health | 4  | Health  | ₹13,500 | 2 year(s)  |

**Insurance Portal**

Fetch • Display • Filter • Premium calc • Discount • Approval • Promise • Errors

The screenshot shows the Insurance Portal interface. At the top, there's a navigation bar with links like Fetch, Display, Filter, Premium calc, Discount, Approval, Promise, and Errors. Below it is a toolbar with buttons for Filter by Type (All, Health, Life, Vehicle) and Actions (Fetch Policies, Apply 10% Discount (> ₹10,000)). A message bar at the top right says "Purchase successful! (Car Protect)". The main area has sections for Purchase / Approval (with a form to enter Policy ID and buttons for Callback Approval and Promise Purchase), Policies (listing four policies: Health Plus, Life Secure, Car Protect, Family Health), and a summary section showing Total Premium (Active Policies) as ₹31,300.

**Purchase / Approval**

Enter Policy ID  
3

Callback Approval      Promise Purchase  
Approve (2s delay)      Purchase (Promise)

Callback approval simulates approval after 2 seconds. Promise purchase converts that logic to Promise and handles success/failure.

**Policies**

| Policy Name   | Status   | ID | Type    | Premium | Duration   |
|---------------|----------|----|---------|---------|------------|
| Health Plus   | Active   | 1  | Health  | ₹10,800 | 1 year(s)  |
| Life Secure   | Inactive | 2  | Life    | ₹9,000  | 10 year(s) |
| Car Protect   | Active   | 3  | Vehicle | ₹7,000  | 1 year(s)  |
| Family Health | Active   | 4  | Health  | ₹13,500 | 2 year(s)  |

Task 8: Error Handling • Invalid policy ID • API failure • Premium calculation error

**Insurance Portal**

Fetch • Display • Filter • Premium calc • Discount • Approval • Promise • Errors

The screenshot shows the Insurance Portal interface. The layout is identical to the first one, but the "Messages" section now contains a red-bordered error message: "Invalid policy ID. Purchase failed." This indicates that the system has detected an invalid input for the Policy ID field.

**Purchase / Approval**

Enter Policy ID  
e.g. 1

Callback Approval      Promise Purchase  
Approve (2s delay)      Purchase (Promise)

Callback approval simulates approval after 2 seconds. Promise purchase converts that logic to Promise and handles success/failure.

**Policies**

| Policy Name   | Status   | ID | Type    | Premium | Duration   |
|---------------|----------|----|---------|---------|------------|
| Health Plus   | Active   | 1  | Health  | ₹10,800 | 1 year(s)  |
| Life Secure   | Inactive | 2  | Life    | ₹9,000  | 10 year(s) |
| Car Protect   | Active   | 3  | Vehicle | ₹7,000  | 1 year(s)  |
| Family Health | Active   | 4  | Health  | ₹13,500 | 2 year(s)  |