

EXPERIMENT 26

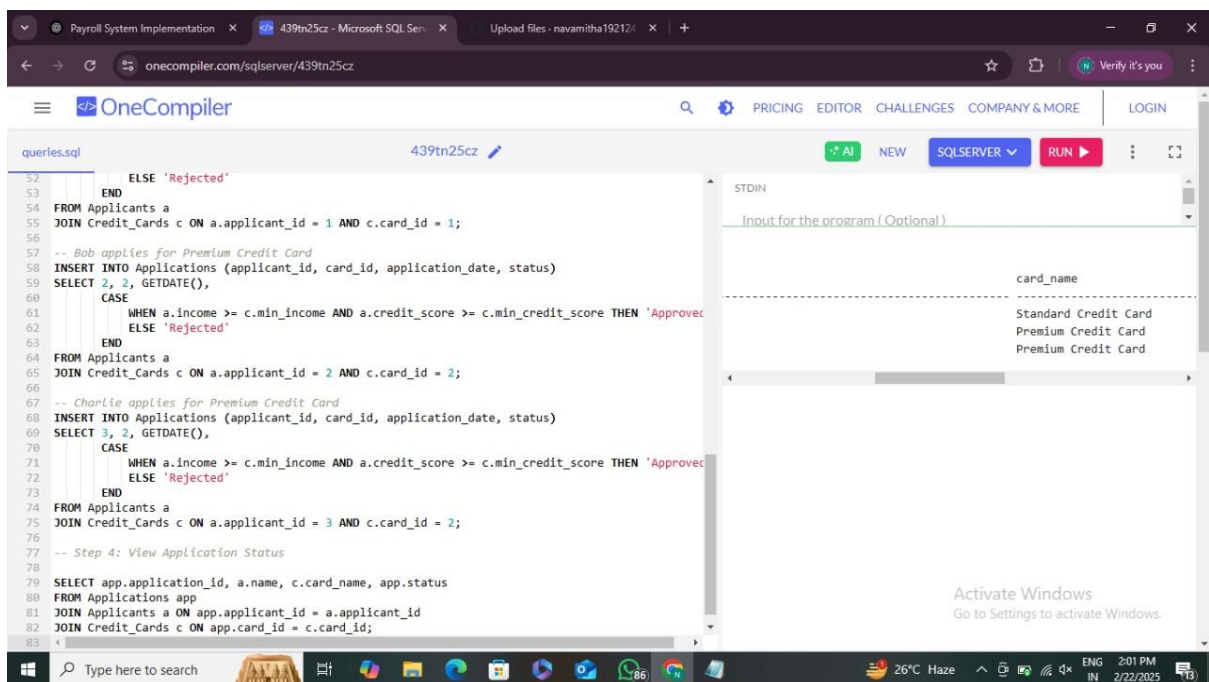
Aim:

To develop a **bank transaction system** for handling **credit card applications**.

Procedure:

1. Create a Customers table (CustomerID, Name, AccountNo, CreditScore, Status).
2. Add a **front-end form (WebForm1.aspx)** to accept **credit card applications**.
3. Implement a **credit score validation system**:
 - If CreditScore > 700, approve the application.
 - Else, reject the application.
4. Use **DML queries** to store/retrieve application status.
5. Display results using **Label controls**.

Output:



The screenshot displays the OneCompiler web interface for a Microsoft SQL Server instance named '439tn25cz'. The left pane shows a SQL script with the following queries:

```
52 ELSE 'Rejected'
53 END
54 FROM Applicants a
55 JOIN Credit_Cards c ON a.applicant_id = 1 AND c.card_id = 1;
56
57 -- Bob applies for Premium Credit Card
58 INSERT INTO Applications (applicant_id, card_id, application_date, status)
59 SELECT 2, 2, GETDATE(),
60 CASE
61 WHEN a.income >= c.min_income AND a.credit_score >= c.min_credit_score THEN 'Approved'
62 ELSE 'Rejected'
63 END
64 FROM Applicants a
65 JOIN Credit_Cards c ON a.applicant_id = 2 AND c.card_id = 2;
66
67 -- Charlie applies for Premium Credit Card
68 INSERT INTO Applications (applicant_id, card_id, application_date, status)
69 SELECT 3, 2, GETDATE(),
70 CASE
71 WHEN a.income >= c.min_income AND a.credit_score >= c.min_credit_score THEN 'Approved'
72 ELSE 'Rejected'
73 END
74 FROM Applicants a
75 JOIN Credit_Cards c ON a.applicant_id = 3 AND c.card_id = 2;
76
77 -- Step 4: View Application Status
78
79 SELECT app.application_id, a.name, c.card_name, app.status
80 FROM Applications app
81 JOIN Applicants a ON app.applicant_id = a.applicant_id
82 JOIN Credit_Cards c ON app.card_id = c.card_id;
```

The right pane shows the 'STDIN' input area with a dropdown menu for 'card_name' containing the following options:

- Standard Credit Card
- Premium Credit Card
- Premium Credit Card

The bottom status bar indicates the system is running on Windows, with a temperature of 26°C and a date of 2/22/2025.

Result:

A **credit card application system** was successfully developed with transaction validation.