1. It begins by specifying the database to be used with the statement USE uniLearn;.
2. It checks if a table named dbo.SurveyTemp already exists and drops it if it does.
3. It creates a new table called dbo.SurveyTemp with several columns: ID_Enrollment, ContentRate, TimeRate, HardnessRate, and TutorRate. The ContentRate, TimeRate, HardnessRate, and TutorRate columns have a check constraint to ensure their values are between 0 and 10. The ID_Enrollment column is set as the primary key of the table.
4. The **BULK INSERT** statement is used to load data from a CSV file located at 'C:\Users\User\Documents\studia\4 sem\MOJE\DATA WAREHOUSES\generator\course_feedback.csv' into the **dbo.SurveyTemp** table. It specifies the delimiter as a comma (**,**) and the row terminator as a newline character (**\n**).
5. Next, it checks if a view named **vETLFEnrollments** already exists and drops it if it does.
6. It creates a new view called **vETLFEnrollments** by selecting various columns from different tables and performing some transformations. The selected columns include **Grade**, **ID_StartDate**, **ID_FinishDate**, **ID_Time**, **ID_Course**, **ID_Student**, **ID_Survey**, **CompletitionPercentage**, **ContentRate**, **TimeRate**, **HardnessRate**, and **TutorRate**.

```sql
USE uniLearn;
GO

IF (object_id('dbo.SurveyTemp') is not null) DROP TABLE dbo.SurveyTemp;
CREATE TABLE dbo.SurveyTemp(
        ID_Enrollment int NOT NULL,
        ContentRate NUMERIC CHECK (ContentRate >= 0 AND ContentRate <= 10),
        TimeRate NUMERIC CHECK (TimeRate >= 0 AND TimeRate <= 10),
        HardnessRate NUMERIC CHECK (HardnessRate >= 0 AND HardnessRate <= 10),
        TutorRate NUMERIC CHECK (TutorRate >= 0 AND TutorRate <= 10)
        PRIMARY KEY(ID_Enrollment)
        );
go

BULK INSERT dbo.SurveyTemp
        FROM   'C:\Users\User\Documents\studia\4 sem\MOJE\DATA WAREHOUSES\generator\course_feedback.csv'
        WITH (FIRSTROW = 2,
    FIELDTERMINATOR = ',',
    ROWTERMINATOR='\n'
);

If (object_id('vETLFEnrollments') is not null) Drop view vETLFEnrollments;
go
CREATE VIEW vETLFEnrollments
AS
SELECT
        Grade
        , ID_StartDate
        , ID_FinishDate
        , ID_Time
        , ID_Course
        , ID_Student
        , ID_Survey
        , CompletitionPercentage
        , ContentRate
        , TimeRate
        , HardnessRate
        , TutorRate
FROM
        (SELECT
                Grade =  EN1.Grade
                , ID_StartDate = SD.ID_Date
                , ID_FinishDate = CASE WHEN FD.ID_Date  IS NOT NULL THEN FD.ID_Date ELSE -1 END
                , ID_Time = dbo.Dim_Time.ID_Time
                , ID_Course = EN1.Course_ID
                , ID_Student = EN1.Student_ID
                , ID_Survey = CASE WHEN SurTemp.ID_Enrollment IS NOT NULL THEN 1 ELSE 2 END
                , CompletitionPercentage = EN1.Percentage_of_Complitness
```

7. After creating the view, a **MERGE** statement is used to merge the data from the **vETLFEnrollments** view into the **Fact_Enrollment** table. The merge is based on matching values between the specified columns. If a match is found, no action is

taken. If a match is not found, a new row is inserted into the Fact_Enrollment table with the values from the vETLFEnrollments view.

8. Finally, the vETLFEnrollments view is dropped.
9. In summary, this code sets up a temporary table to store survey feedback from enrolled students, loads data from a CSV file into the temporary table, creates a view combining data from multiple tables, and merges the view data into the Fact_Enrollment table, effectively enrolling students and recording their feedback.

```
                , ContentRate = CASE WHEN SurTemp.ContentRate  IS NOT NULL THEN SurTemp.ContentRate ELSE 0 END
                , TimeRate = CASE WHEN SurTemp.TimeRate  IS NOT NULL THEN SurTemp.TimeRate ELSE 0 END
                , HardnessRate = CASE WHEN SurTemp.HardnessRate  IS NOT NULL THEN SurTemp.HardnessRate ELSE 0 END
                , TutorRate = CASE WHEN SurTemp.TutorRate  IS NOT NULL THEN SurTemp.TutorRate ELSE 0 END
        FROM uniLearnDB.dbo.Enrollments as EN1
        JOIN  unilearn.dbo.Dim_Student AS S ON S.ID_Student = EN1.Student_ID
        JOIN  unilearn.dbo.Dim_Course AS C ON C.ID_Course = EN1.Course_ID
        FULL  JOIN dbo.SurveyTemp AS SurTemp ON SurTemp.ID_Enrollment = EN1.Enrollment_ID
        JOIN dbo.Dim_Date AS SD ON CONVERT(VARCHAR(10), SD.Date, 111) = CONVERT(VARCHAR(10), EN1.Date_of_Start, 111)
        FULL JOIN dbo.Dim_Date as FD ON CONVERT(VARCHAR(10), FD.Date, 111) = CONVERT(VARCHAR(10), EN1.Date_of_Complitness, 111)
        JOIN dbo.Dim_Time ON dbo.Dim_Time.Hour = DATEPART(Hour, EN1.Date_of_Start)
        ) AS E

GO


MERGE INTO Fact_Enrollment as TT
        USING vETLFEnrollments as ST
                ON
                        TT.Grade = ST.Grade
                AND TT.ID_StartDate = ST.ID_StartDate
                AND TT.ID_FinishDate = ST.ID_FinishDate
                AND TT.ID_Time = ST.ID_Time
                AND TT.ID_Course = ST.ID_Course
                AND TT.ID_Student = ST.ID_Student
                AND TT.ID_Survey = ST.ID_Survey
                AND TT.CompletitionPercentage = ST.CompletitionPercentage
                AND TT.ContentRate = ST.ContentRate
                AND TT.TimeRate = ST.TimeRate
                AND TT.HardnessRate = ST.HardnessRate
                AND TT.ToutorRate = ST.TutorRate
                WHEN NOT MATCHED THEN
                        INSERT VALUES (
                                ST.Grade
                                , ST.ID_StartDate
                                , ST.ID_FinishDate
                                , ST.ID_Time
                                , ST.ID_Course
                                , ST.ID_Student
                                , ST.ID_Survey
                                , ST.CompletitionPercentage
                                , ST.ContentRate
                                , ST.TimeRate
                                , ST.HardnessRate
                                , ST.TutorRate
                        );

Drop view vETLFEnrollments;
```