SUPERSET ID- 6363144

TRIGGER:-

EXERCISES CODE:-

IF OBJECT\_ID('AuditProducts', 'U') IS NOT NULL DROP TABLE AuditProducts;

GO

IF OBJECT\_ID('Products', 'U') IS NOT NULL DROP TABLE Products;

GO

IF OBJECT\_ID('trg\_AuditProductUpdate', 'TR') IS NOT NULL DROP TRIGGER trg\_AuditProductUpdate;

GO

CREATE TABLE Products (

ProductID INT PRIMARY KEY,

ProductName VARCHAR(100),

Category VARCHAR(50),

Price DECIMAL(10, 2)

);

GO

CREATE TABLE AuditProducts (

AuditID INT IDENTITY(1,1) PRIMARY KEY,

ProductID INT,

OldPrice DECIMAL(10, 2),

NewPrice DECIMAL(10, 2),

UpdatedAt DATETIME DEFAULT GETDATE()

);

GO

INSERT INTO Products (ProductID, ProductName, Category, Price) VALUES

(1, 'Laptop', 'Electronics', 1200.00),

(2, 'Smartphone', 'Electronics', 900.00),

(3, 'Jeans', 'Clothing', 50.00);

GO

CREATE TRIGGER trg\_AuditProductUpdate

ON Products

AFTER UPDATE

AS

BEGIN

SET NOCOUNT ON;

INSERT INTO AuditProducts (ProductID, OldPrice, NewPrice)

SELECT

d.ProductID,

d.Price AS OldPrice,

i.Price AS NewPrice

FROM

deleted d

INNER JOIN

inserted i ON d.ProductID = i.ProductID

WHERE

d.Price <> i.Price;

END;

GO

UPDATE Products

SET Price = 950.00

WHERE ProductID = 2;

GO

SELECT \* FROM AuditProducts;

GO

SELECT \* FROM Products;

GO

