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-1. Процедура перераспределения книг по каталогам:
CREATE PROCEDURE BookRedistribution
  @CatalogName NVARCHAR(50),
  @Keyword NVARCHAR (50),
  @BooksDistributed INT OUTPUT
BEGIN
перераспределяем их по каталогам
  UPDATE Books
  SET Genre = (
      SELECT CatalogName
      FROM Catalogs
      WHERE CatalogName = @CatalogName
  WHERE BookID IN (
      SELECT BookID
       FROM Books
       WHERE Title LIKE '%' + @Keyword + '%'
  );
  ---Получаем количество распределенных книг
  SET @BooksDistributed = @@ROWCOUNT;
DECLARE @BooksDistributed INT;
EXEC BookRedistribution @CatalogName = N'Фантастика', @Keyword = N'Мистика',
@BooksDistributed = @BooksDistributed OUTPUT;
SELECT @BooksDistributed AS 'Books Distributed';
USE Leonid bintsarouski 2
   (@AuthorName NVARCHAR(30))
RETURNS DECIMAL(10, 2)
```

```
EGIN
  DECLARE @PublicationCount INT;
  DECLARE @ReprintCount INT;
  DECLARE @AuthorRating DECIMAL(10, 2);
  SELECT @PublicationCount = COUNT(*)
  FROM Books
  WHERE Author = @AuthorName;
  ---Получаем количество переизданий книг автора
  SELECT @ReprintCount = COUNT(*)
       SELECT Title, COUNT(*) AS ReprintCount
      FROM Books
      WHERE Author = @AuthorName
      GROUP BY Title
       HAVING COUNT(*) > 1
  ) AS Reprints;
  IF @ReprintCount = 0
      SET @AuthorRating = 0;
       SET @AuthorRating = CAST(@PublicationCount AS DECIMAL(10, 2)) /
@ReprintCount;
  RETURN @AuthorRating;
END;
USE Leonid bintsarouski 2
DECLARE @AuthorName NVARCHAR(30) = N'Agatha Christie';
DECLARE @AuthorRating DECIMAL(10, 2);
SET @AuthorRating = dbo.CalculateAuthorRating(@AuthorName);
SELECT @AuthorRating AS N'Author Rating';
временное пользование:
USE Leonid_bintsarouski_2;
```

```
CREATE TRIGGER CheckReturnDate
ON BorrowedBooks
AFTER INSERT
AS
BEGIN
  DECLARE @BorrowID INT;
  DECLARE @BorrowDate DATE;
  DECLARE @DueDate DATE;
  DECLARE @ReturnDate DATE;
  SELECT @BorrowID = BorrowID,
         @BorrowDate = BorrowDate,
         @DueDate = DueDate,
         @ReturnDate = ReturnDate
  FROM inserted;
  IF @ReturnDate IS NOT NULL AND @ReturnDate > @DueDate
      PRINT N'Книга была поздно вернута'
       ---В случае превышения срока возврата вставляем информацию в таблицу Archive
       INSERT INTO Archive (Archive_BookID, Title, Author, YearPublished, Borrower,
ExceededDays)
       SELECT @BorrowID, Bo.Title, Bo.Author, Bo.YearPublished, B.Borrower,
DATEDIFF(DAY, @DueDate, @ReturnDate)
      FROM BorrowedBooks AS B
      JOIN Books AS Bo ON B.BookID = Bo.BookID
      WHERE B.BorrowID = @BorrowID;
END;
GO
INSERT INTO BorrowedBooks (BookID, Borrower, BorrowDate, DueDate, ReturnDate)
VALUES (2, 'John Doe', '2023-05-01', '2023-06-01', '2023-06-02');
DELETE TOP(1) FROM BorrowedBooks
```