

Project Report: CalculateWorkingHours Procedure

Introduction

This stored procedure, CalculateWorkingHours, calculates the total number of working hours between two given datetime values. It considers real-world business rules such as weekends, non-working Saturdays, and lunch breaks.

Key Features

- Skips all Sundays
- Skips 3rd, 4th, and 5th Saturdays
- Considers custom daily working hours (default: 08:00 to 17:00)
- Subtracts lunch break if daily hours exceed 6 hours
- Handles partial first/last days within the range

Use Cases

- HR attendance systems
- Payroll and time tracking
- Project management tools requiring accurate work hour logs

Example Output

Example Execution:

Project Report: CalculateWorkingHours Procedure

```
EXEC dbo.CalculateWorkingHours  
  
    @StartDate = '2025-06-01 09:30:00',  
  
    @EndDate = '2025-06-10 16:30:00';
```

Expected Output:

TotalWorkingHours	StartDate	EndDate
53.00	2025-06-01 09:30:00	2025-06-10 16:30:00

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