What is a Stored Procedure and why do we need them?

What is a Stored Procedure?

What are they?

How are they Executed?

Do they have other names?

Example Stored Procedure

```
CREATE PROCEDURE HumanResources.uspFindEmployee
               @BusinessEntityID [int]
AS
BEGIN
     SET NOCOUNT ON;
     SELECT BusinessEntityID,
            NationalIDNumber,
             LoginID,
             JobTitle,
             HireDate
     FROM    HumanResources.Employee
     WHERE   BusinessEntityID = @BusinessEntityID
END
```
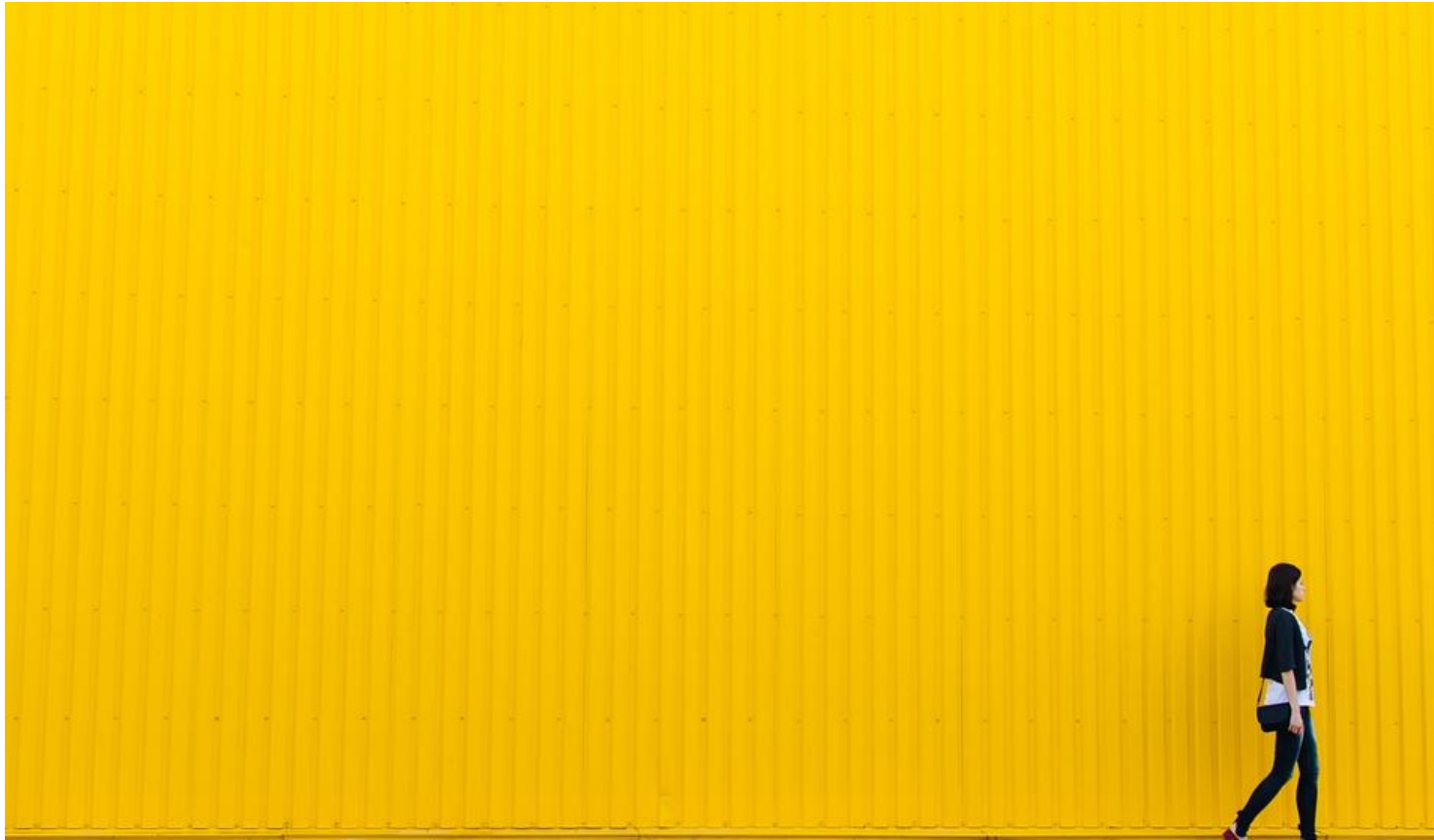
Store Proc Name

Parameter

Select Statement to return one employee row

Parameter used as criteria

Result Set Returned

Inputs

Execution

Output

Why do we need Stored Procedures??

- Maintainability
- Encapsulate Business Logic
- Stronger Security
- Efficiency