

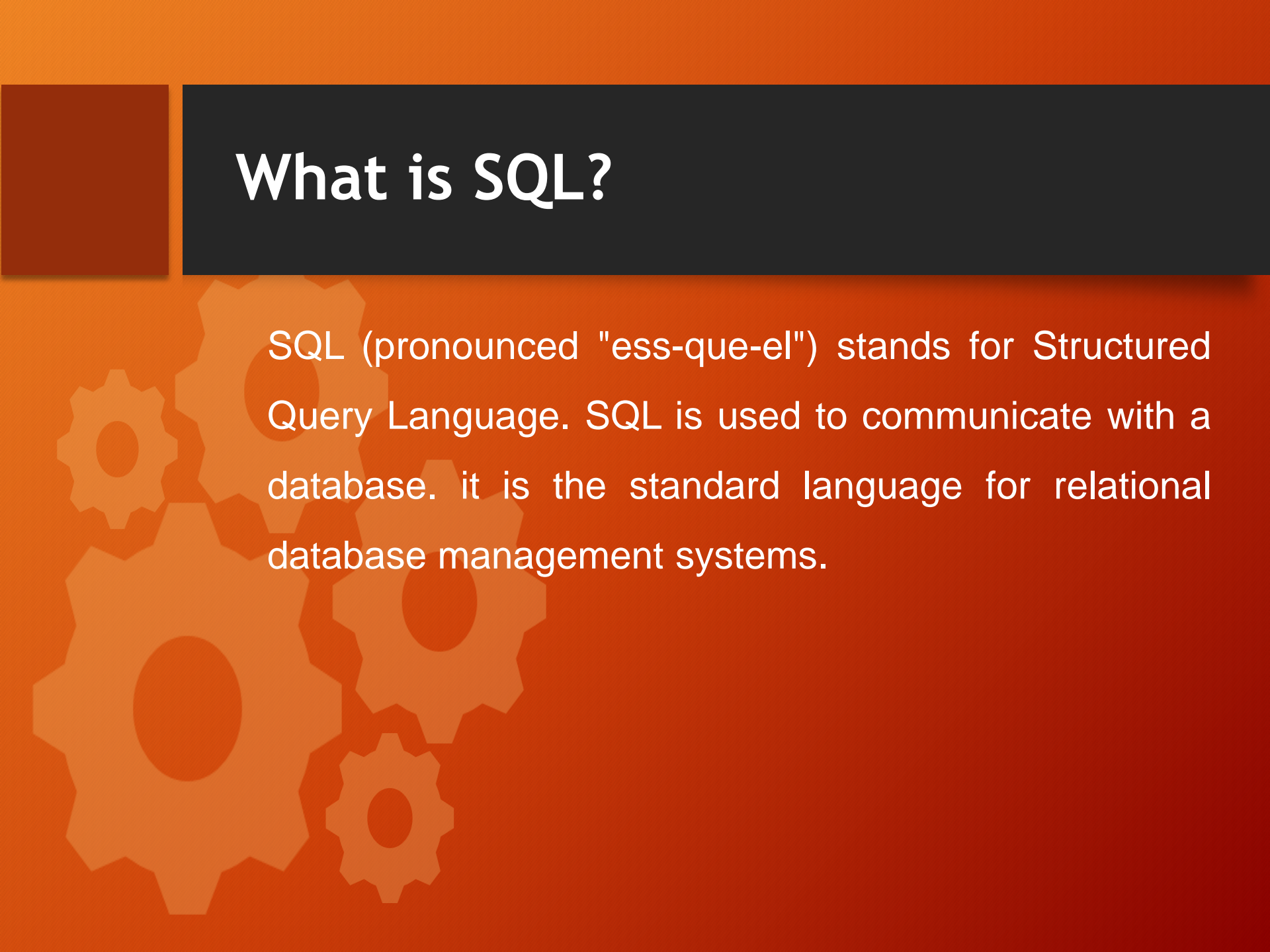
# Structured Query Language (SQL) Basics

# Introduction

SQL is a language that provides an interface to relation database systems. SQL is used to create, remove, alter the database and database objects in a database management system and to store, retrieve, update the data in a database.

# What is SQL?

SQL (pronounced "ess-que-el") stands for Structured Query Language. SQL is used to communicate with a database. it is the standard language for relational database management systems.



# Environment Setup

S.No.	Description
Step 1	Download sql server management studio
Step 2	Run the "setup.exe" file.
Step 5	Follow the setup instructions.

# Features of SQL

- It is non procedural language
- It is an English-like language.
- It reduces the amount of time required for creating and maintaining systems

# Syntax

- CREATE TABLE *table\_name* (  
    *column1 datatype,*  
    *column2 datatype,*  
    *column3 datatype,*  
    ....  
);

# Example

- CREATE TABLE Persons (  
    PersonID int,  
    LastName varchar(50),  
    FirstName varchar(50),  
    Address varchar(50),  
    City varchar(50)  
);

# Applications

- Execute queries against a database
- Retrieve data from a database
- Insert records into a database
- Update records in a database
- Delete records from a database
- Create new databases, or new tables in a database



# Outcome

SQL gives unique learning and database handling techniques on Structured Query language and will help you make better command over the SQL queries and to deal with these codes efficiently.