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**MSSQL: T-SQL: Transact SQL:**

**T-SQL:**

T-SQL stands for transact SQL. It provides some advanced tools to perform different operation in Database.

**Tools Of T-SQL:**

User-Defined variables

Control flow statement

Begin-End

If-else

While

Try-catch

User-defined variable: user defined variable are just a name used to store data from the outside world.

In T-SQL mainly variable are declared with pre-fix DECLARE and always variable are declares.

With following syntax:

DECLARE @\_variable\_name data\_type(size),……. .

DECLARE @name varchar(100),

@salary int;

By default, value of user defined variables is null.

Assign value to the variable: There is two ways to assign value to the variable:

1. By using set keyword:

Set keyword is used to assign any value to the single one variable

DECLARE @name varchar (100),

@Salary int;

set @name='techpile';

set @salary=50000;

select @name as user\_name,@salary as salary;

1. By Using select keyword:

Select keyword is used to set value to the variable. But by using select you can set multiple values to different variable at one time.

**Syntax:**

Select @variable\_name=value,

@variable\_name=value………

Ex:

declare @name varchar (30),

@Salary int;

select @name='suraj yadav', @salary=50000

select @name=emp\_name, @salary=salary from college

select @name as username, @salary as salary;