

Wajdi Ben Saad ESSAI,Nov 2015

Wajdi Ben Saad

Conditional logic

If, Then, Else

```
If, Then, Else
IF <condition> THEN <X>;
ELSE <Y>;

If Score >= 70 Then Grade = 'Passing Grade';
Else Grade = 'Failing Grade';
```

Student	Score	Grade
Jane	75	Passing Grade
Dave	56	Failing Grade
Jack	90	Passing Grade
Sue	68	Failing Grade

Wajdi Ben Saad

```
If, Then, Else

IF <condition> THEN <X>;

ELSE IF <condition2> THEN <Y>;

ELSE <Z>;

If Score >= 70 Then Grade = 'Passing Grade';

Else If 60 <= Score <= 69 Then Grade = 'Incomplete';</pre>
```

Student	Score	Grade
Jane	75	Passing Grade
Dave	56	Failing Grade
Jack	90	Passing Grade
Sue	68	Incomplete

Else Grade = 'Failing Grade';

Wajdi Ben Saad

Operators

Arithmetic operators

Arithmetic	Symbol	Example
Addition	+	<pre>Xplus = 4+2;</pre>
Subtraction	-	Xminus = 4-2;
Multiplication	*	Xmult = 4*2;
Division	1	Xdiv = 4/2;
Exponents	**	Xexp = 4**2;
Negative numbers	-	Xneg = -2;

Wajdi Ben Saad

Comparison operators

Logical comparison	Mnemonic	Symbol
Equal to	EQ	=
Not equal to	NE	^= or ~=
Less than	LT	<
Less than or equal to	LE	<=
Greater than	GT	>
Greater than or equal to	GE	>=

Note: <> also used for not equal to, but only in PROC SQL

Wajdi Ben Saad

