Computer Science 2nd Year 17-04-2020 Subject - DBMS OPERATORS in PL/SQL An operator is a symbol that tells the compiler to perform specific mathematical or logical manipulation PL/Sal language is vich in Birt - in operators and provide the following types of operators =) Arithmetic operators => Relational operators => Comparison operators Logical operators 7 Storing operators Assistametic operators following table shows all the arithmetic operators supported by PL/SQL. het us assume Variable A hold to and Variable B hold 5 Thon -Show example Operator Description Example A+B will give 15 Adda two operands Stabluart Second openand A-B will give from the first A * B will give Multiplies Both operand, Divides numerator By A/B will give de - numerator Exponentiation operator, will give 100000 rapelo one operand to the

| Relational operator compare theo expressions or Value and ruturn a Boolean rusult. Following table | | |
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| and when a Boolean result. Following table | | |
| | | |
| show all the vulational operators supported | | |
| by PL/Sal. Let assume Variable A hold | | |
| 10 and Variable B hold 20 then - | | |
| To and valued of 1000 | | |
| Stow example Chinaton Description Example | | |
| O COURT OF THE PROPERTY OF THE | | |
| check if the value of (A = B) is 2 two operands are not town | | |
| 2 two openands are not tome equal or not - 9/1/20 | | |
| then condition becomes | | |
| true. | | |
| a) de 'al the Value | | |
| 1 = checks 'ef the value (A) = (S) | | |
| 1 in the contract of the contr | | |
| are not aqual Iren some | | |
| Condition becomes true | | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | |
| Check if the value of (A 7 B) left operand is greater in the faces | | |
| then the value of its not four | | |
| right opened, is seo | | |
| tome Scanned with CamScanne | | |

| Operators | Description | Example |
|-----------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| | checks if the value of left operand is class than the Value of sight operand, if yes then condition becomes true | (A < B) is town |
| >= | Checks if the value of left operand is greater than or equal to the value of night operand if yes then Condition be comes true | er not true |
| <= | Check if the value of less than or equal to the value of right operand becomes true condition becomes true | (AC=B) us frue |
| Compa | ison operator are used in to another, The | to comparing one susult is always |
| ei | ion to another, The | Scanned with CamScanner |

Example Example operator Description in Zara Ali ' The LIKE operator compares like Z% A-i a character, String or returns, a CLOB Value to a feathern Boolean toure, and returns TRUE if Whereas, Nuha Ali' the value matches and lik 'z% A-1' Ine pattern and FALSE ruturns a Boolean if it does not. Jalse. 21 X= 10 then, X The BETWEEN operator between 5 and 20 test utether a value Juturns true X BETWEEN dies in a between 5 and 10 Specified Mange. X return true but X BETWEEN a AND b between 11 and 20 return Jaloe means that x>=a and X < = bIf X = m then x The IN operator tests un ('a' b', 'c') set membership . X IN IN Suturn Boolean Jele (But) means that x is but x in ('m', 'n'; o') equal to any member returns bodean true. The Is NULL sperator 8 X = m IS NULL outurn the BOOLEAN Value tran 'X' is mill TRUE if els operand is NULL Suturns Boolean of PALSA if it is not NUCL! Scanned with CamScanner

| Logical operators |
|----------------------------------------------------------------|
| Following table shows the logical operators support |
| by PL/SQL. all these operators works on |
| Boolean operands and product |
| Variable A hold True |
| and variable B hold false Hen |
| Thou example |
| operator Destruption Example |
| Called the logical AND operator (A and B) |
| are touce then condition |
| be comes telle |
| or operator. iet any of is true |
| the two operands us |
| becomes toure |
| Called the logical NOT |
| not operator used to suserve not of and |
| the logical states of uls |
| the landed |
| Not operator will strady of make int false 17 04 2020 |
| make it false 17 04 Tarah Shardha Varah Scanned with Camscanne |
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