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1. Exit the interactive Grunt shell using the command **QUIT**
2. The **EXPLAIN** operator is used to display the logical, physical, and MapReduce execution plans of a relation.
3. The **GROUP** operator is used to group the data in one or more relations. It collects the data having the same key.
4. **SELF JOIN** is used to join a table with itself as if the table were two relations, temporarily renaming at least one relation.
5. The **UNION** operator of Pig Latin is used to merge the content of two relations.
6. The **SPLIT** operator is used to split a relation into two or more relations.
7. The **DISTINCT** operator is used to remove redundant (duplicate) tuples from a relation.
8. The **FOREACH** operator is used to generate specified data transformations based on the column data.
9. The **ORDER BY** operator is used to display the contents of a relation in a sorted order based on one or more fields.
10. To calculate the highest value for a column (numeric values or chararrays) in a single-column bag.

Max()

11. To get the number of elements in a bag, while counting the number of tuples in a bag.

Count()

12. To compute the average of the numerical values within a bag.

Avg()

13. To concatenate two or more expressions of same type.

Concat()

14. To compute the number of elements based on any Pig data type.

Size()

15. To subtract two bags. It takes two bags as inputs and returns a bag which contains the tuples of the first bag that are not in the second bag.

Substract()

16. To get the total of the numeric values of a column in a single-column bag.

Sum()

17. To split a string (which contains a group of words) in a single tuple and return a bag which contains the output of the split operation.

Tokenize()

18. To verify whether a given string ends with a particular substring.

endsWith()

19. Accepts two string parameters and verifies whether the first string starts with the second.

startsWith()

20. Returns a substring from a given string.

Substring()

21. Returns the first occurrence of a character in a string, searching forward from a start index.

Indexof()

22. To replace existing characters in a string with new characters.

Replace()

23. Returns the date-time object of the current time.

CurrentTime()

24. Returns the day of a month from the date-time object.

GetDay(datetime)

25. Returns the hour of a day from the date-time object.

GetHour(datetime)

26. Returns the month of a year from the date-time object.

GetMonth(datetime)

27. To get the absolute value of an expression.

ABS()

28. This function is used to get the cube root of an expression.

CBRT(expression)

29. This function is used to get the Euler's number e raised to the power of x .

Exp()

30. To get the natural logarithm (base e) of an expression.

LOG(exp)