GlideAggregate Methods in ServiceNow - Complete Reference

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1. Constructor

Method: `new GlideAggregate(tableName)`
Description: Creates a GlideAggregate object for a table.

Example:

```
var ga = new GlideAggregate('incident');
```

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2. Query Methods

Method	Description	Example
`addQuery(field, operator, value)`	Add filter condition	`ga.addQuery('priority', 1);`
`addEncodedQuery(queryString)`	Add encoded query	`ga.addEncodedQuery('priority=1^active=true');`
`query()`	Executes the query	`ga.query();`
`setLimit(number)`	Limit number of returned records	`ga.setLimit(5);`

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3. Aggregate Methods

Method	Description	Example
`addAggregate(type, field)`	Type: COUNT, SUM, AVG, MIN, MAX	`ga.addAggregate('COUNT');` `ga.addAggregate('SUM', 'priority');`

Method	Description	Example
`getAggregate(type, field)`	Returns the aggregate value for current record	`if(ga.next()) { var total = ga.getAggregate('COUNT'); }`

4. Grouping Methods

Method	Description	Example
`groupBy(fieldName)`	Groups results by a field	`ga.groupBy('assignment_group');`
`orderBy(fieldName)`	Orders results ascending	`ga.orderBy('assignment_group');`
`orderByDesc(fieldName)`	Orders results descending	`ga.orderByDesc('COUNT');`

5. Navigation & Retrieval

Method	Description	Example
`next()`	Moves to the next row of results	`while(ga.next()) { gs.print(ga.getAggregate('COUNT')); }`
`getValue(fieldName)`	Gets value of a field in the current row	`gs.print('Assignment Group: ' + ga.getValue('assignment_group'));`
`getRowCount()`	Returns the number of rows (records) returned	-

6. Utility / Other Methods

Method	Description
`hasNext()`	Checks if there are more records

Method	Description
`initialize()`	Resets the GlideAggregate object (rarely used)

Complete Example

```javascript
var ga = new GlideAggregate('incident');
ga.addQuery('priority', 1);
ga.addAggregate('COUNT');
ga.groupBy('assignment_group');
ga.query();

while(ga.next()) {
    gs.print('Group: ' + ga.getValue('assignment_group') + ' Total: ' +
ga.getAggregate('COUNT'));
}
```

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