# Difference between GlideRecord and GlideElement

In ServiceNow, GlideRecord and GlideElement are both important scripting objects, but they serve different purposes. Below is a clear comparison.

## GlideRecord

- Definition: An object that represents a record (row) in a ServiceNow table.  
- Purpose: Used to query, insert, update, and delete records.  
- Level: Works at the table/record level.  
- Contains: All the fields of that record (each field is a GlideElement).  
- Analogy: Think of GlideRecord as a spreadsheet row.

### Example:

var gr = new GlideRecord('incident');  
gr.get('46d44a13c611228701d22104cc95c371'); // load one incident  
gs.info(gr.short\_description); // this is a GlideElement

## GlideElement

- Definition: An object that represents a single field (column) of a record.  
- Purpose: Used to get, set, or manipulate the value of a field.  
- Level: Works at the field level.  
- Analogy: Think of GlideElement as a cell in the row.

### Example:

var gr = new GlideRecord('incident');  
gr.get('46d44a13c611228701d22104cc95c371');   
  
var desc = gr.short\_description; // This is a GlideElement  
gs.info("Raw: " + desc.getValue());  
gs.info("Display: " + desc.getDisplayValue());

## Key Differences

|  |  |  |
| --- | --- | --- |
| Feature | GlideRecord | GlideElement |
| Represents | A record (row) in a table | A single field (cell) in that record |
| Scope | Whole table row | One column of that row |
| Methods | .query(), .get(), .next(), .insert(), .update() | .getValue(), .getDisplayValue(), .setValue(), .nil() |
| Example | var gr = new GlideRecord('incident'); | gr.short\_description.getValue(); |
| Analogy | Spreadsheet row | Cell in that row |

## Summary

- GlideRecord → the whole row from the table.  
- GlideElement → a single field inside that row.

var gr = new GlideRecord('incident');

gr.get('8ba1cb114780f69011d51a2f316d437f');

// gs.info("Raw value Assigned To: " + gr.assigned\_to.getValue());

// gs.info("Raw value  Assigned  Group : " + gr.assignment\_group.getValue());

// gs.info("Display value: " + gr.short\_description.getDisplayValue());

if (gr.assigned\_to.nil())

{

    gs.info('True');

}

else{

    gs.info('false');

    gr.impact.setValue('2');

}