

a)

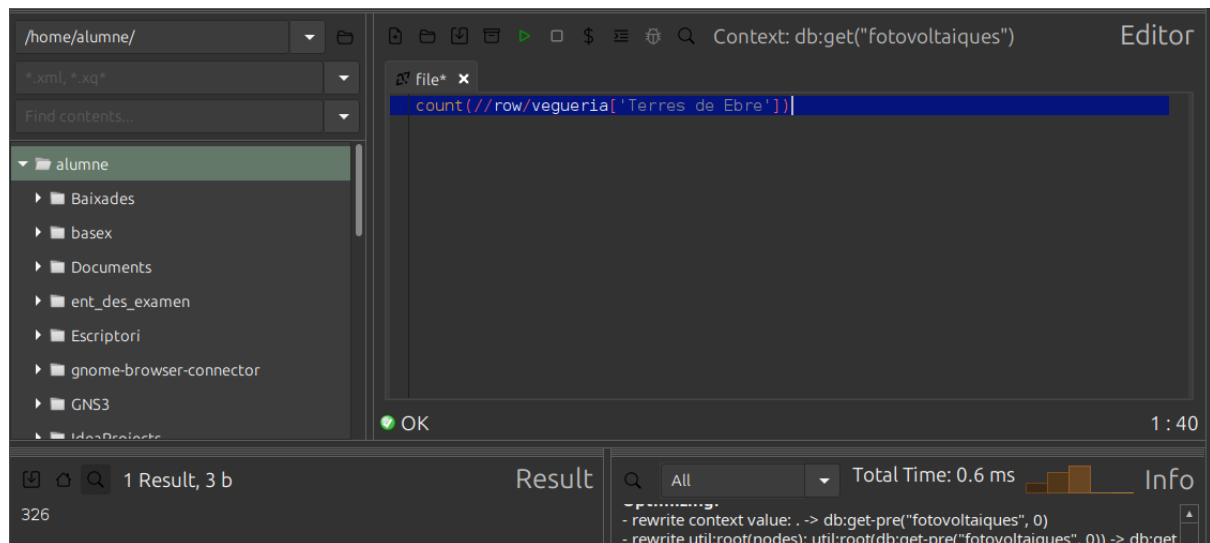
The screenshot shows a web browser interface with a dark theme. The top bar indicates the context is `db:get("fotovoltaiques")`. The left sidebar shows a file explorer with a folder named `alumne` expanded, containing subfolders like `Baixades`, `basex`, `Documents`, `ent_des_examen`, `Escriptori`, `gnome-browser-connector`, `GNS3`, and `IdesProjecte`. The main editor area displays a query: `data(//row[@id='row-8nzi_5e3e.x8he' or @id='row-fxed_2pq8-mb7i']/superficie_ha`. Below the editor, a status bar shows `OK` and a timer of `1:58`. The bottom section, labeled **Result**, shows `2 Results, 70 b` and displays the following XML output: `<superficie_ha>16.6</superficie_ha>` and `<superficie_ha>3.7</superficie_ha>`. To the right of the result, an **Info** panel shows the **Optimized Query**: `db:attribute("fotovoltaiques", ("row-8nzi_5e3e.x8he", "row-fxed_2pq8-mb7i"))/self::attribute(id)/parent::row/superficie_ha`.

b)

The screenshot shows a web browser interface with a dark theme. The top bar indicates the context is `db:get("fotovoltaiques")`. The left sidebar shows a file explorer with a folder named `alumne` expanded, containing subfolders like `Baixades`, `basex`, `Documents`, `ent_des_examen`, `Escriptori`, `gnome-browser-connector`, `GNS3`, and `IdesProjecte`. The main editor area displays a query: `data(//row[potencia_mw > 10]/potencia_mw)`. Below the editor, a status bar shows `OK` and a timer of `1:42`. The bottom section, labeled **Result**, shows `98 Results, 465 b` and displays a list of numerical values: `50`, `49.97`, `49.97`, `49.97`, `35.91`, `48.29`, `50`, `50`, `50`, `44.43`, `46.3`, `37.77`, `44.9`, `47.5`, `44.46`, `21.06`, `25`, `21.5`, `24.8`, and `25`. To the right of the result, an **Info** panel shows the **Optimizing** process: `- rewrite context value: . -> db:get-pre("fotovoltaiques", 0)`, `- rewrite util:root(nodes): util:root(db:get-pre("fotovoltaiques", 0)) -> db:get-pre("fotovoltaiques", 0)`, and `- convert to child steps: descendant::row[potencia_mw >= 10.000000000000002]`. The **Optimized Query** is: `data(db:get-pre("fotovoltaiques", 0)/*:response/*:rows/*:row[potencia_mw >= 10.000000000000002]/potencia_mw)`. The **Query** is: `data(//row[potencia_mw > 10]/potencia_mw)`. The **Result** summary shows: `- Hit(s): 98 Items`, `- Updated: 0 Items`, `- Printed: 465 b`, `- Read Locking: fotovoltaiques`, and `- Write Locking: (none)`.

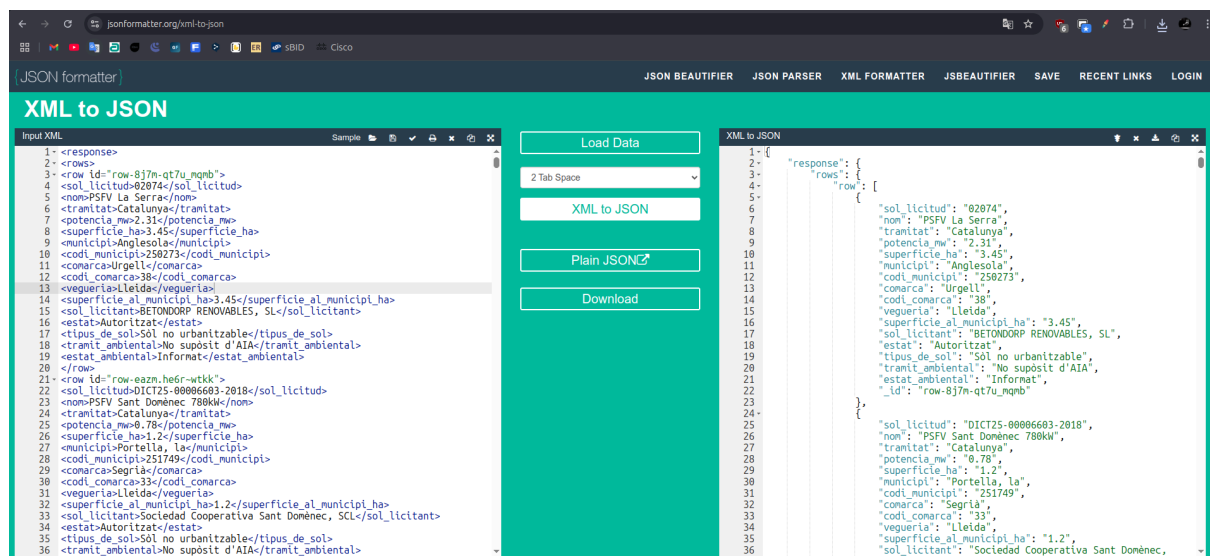
## Exercici 2

a)



b)

## Exercici 3



a)

b)

<https://github.com/niksava/ExamenNichitaSavaLLM>