Final Year Project – Weekly Log Form (WEEK #) 8

1. Student & Project Information

Student Name:	Student ID	Attendance
Muhammad Ibrahim Ali	IUOS-0122-0263	P
Anas Raza	IUOS-0222-0323	P
Muhammad Anas	IUOS-0221-0468	-
Muhammad Huzaifa Shoaib	IUOS-0320-0074	-

2. Summary of Weekly Work

Main Objectives for the Week:

- We will be ~~making~~ finalizing if we have to
- make DSL for data manipulation or a hardware (LED lights matrix)

Tasks Completed:

- Confirmed that our DSL will be for data analysis
- and visualization. following the example of an embedded DSL.

Hours Worked:

- __20__ Hours

3. Work in Progress

Tasks Not Completed / Pending:

- Still not able to convince what our source
- language would be — which we still believe should be own own syntax (Noela DSL)

Challenges Encountered:

- ~~So~~ Realized that even if we have to design a language of
- our own, we will still need to follow the syntax and semantics of a language.

Actions Taken / Solutions Implemented:

- for now, we are figuring out what the usecases of the project be,
- ~~and~~ and what diagram will be applicable for such a project

    { . data flow,
      . state, or
      . system . }

4. Planning for Next Week

Planned Tasks & Objectives:

- Make a proper syntax to show so, we can
- understand what exactly are we trying to build, and what value does it bring (In comparison with Power BI and Python + Pandas).

Resources/Support Needed:

- Need to study how DSL's are built in python,
- and create a sample syntax, and a compilation pipeline.

5. Reflection & Feedback

- Key Learnings:
- Without syntax and an execution pipeline,
- we will stay stuck on what exactly are we building.
- Additional Comments:
- Use-cases also need to be further detailed
- so they can become the base of our project.

Supervisor Feedback

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Supervisor Signature & Date

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