TEST ANALYSIS

Test object: Calculator

Testing approach: Keyword-driven, Data-driven and Gherkin syntax

Testing tool: Robot Framework

	Keyword Driven	**Data Driven**	**Gherkin**
Differences	• Test cases constructed from keywords in the library. • Specific steps in test flow.	• Can define keywords in the script file.	• Test cases are constructed from keywords in the library but in higher abstraction level. • Arguments embedded in critical keyword names: Given, When, Then.
Pros	• Tests are built from small steps. • Easy to be maintained even by non-technical personnel	• Works well when need to repeat flows multiple times.	• Easy to understand for business people as the tests are written in similar language to plain English. • Can detect problems early by the non-technical management team.
Cons	• Works only if need to test normal flow. • When flow gets complicated, it becomes hard to describe the flow in specific steps.	• Complicated for non-technical personnel.	• Uneasy written test maintainability.
Execution results	• Easy to read. • More detailed than Gherkin ‘s report.	• Very detailed • For technical personnel	• Very easy to read. • Too simple.