SPARQL

- The query interface agent generates a SPARQL query based off a natural language request by the user.

- This query is passed internally to a tool that then executes the query

Tool Input
{
  "rdf_graph_ttl_str": "@prefix foaf: <http://xmlns.com/foaf/0.1/> .\n@prefix ft: <http://financeflow.example/ontology#> .\n@prefix schema1: <http://schema.org/> .\n@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .\n\nft:txn-34bc6dfe a ft:Transaction ;\n   ft:amount ft:amount-70835e .\n\nft:txn-d4e6b1cd a ft:Transaction ;\n   ft:amount ft:amount-6d26d1 ;\n   ft:payer ft:person-becky-3f3aa5,\n   ft:person-jacob-4b3c7b,\n   ft:person-joseph-b9f2d5 .\n\nft:txn-f241713b a ft:Transaction ;\n   ft:amount ft:amount-abe5fa ;\n   ft:payee ft:person-lucas-c3f5cf ;\n   ft:payer ft:person-sarah-d84638 ;\n   ft:transactionDate \"2025-11-21\"^^xsd:date .\n\nft:amount-6d26d1 a schema1:MonetaryAmount ;\n   schema1:currency \"USD\"^^xsd:string ;\n   schema1:value 12.0 .\n\nft:amount-70835e a schema1:MonetaryAmount ;\n   schema1:currency \"USD\"^^xsd:string ;\n   schema1:value 5.0 .\n\nft:amount-abe5fa a schema1:MonetaryAmount ;\n   schema1:currency \"USD\"^^xsd:string ;\n   schema1:value 55.5 .\n\nft:person-becky-3f3aa5 a ft:Person ;\n   foaf:name \"Becky\"^^xsd:string .\n\nft:person-jacob-4b3c7b a ft:Person ;\n   foaf:name \"Jacob\"^^xsd:string .\n\nft:person-joseph-b9f2d5 a ft:Person ;\n   foaf:name \"Joseph\"^^xsd:string .\n\nft:person-lucas-c3f5cf a ft:Person ;\n   foaf:name \"Lucas\"^^xsd:string .\n\nft:person-sarah-d84638 a ft:Person ;\n   foaf:name \"Sarah\"^^xsd:string .",
  "sparql_query": "PREFIX ft: <http://financeflow.example/ontology#>\nPREFIX schema1: <http://schema.org/>\nPREFIX xsd: <http://www.w3.org/2001/XMLSchema#>\n\nSELECT (COUNT(?txn) AS ?countTransactions) WHERE {\n ?txn a ft:Transaction ;\n   ft:amount ?amount .\n ?amount a schema1:MonetaryAmount ;\n   schema1:currency \"USD\"^^xsd:string ;\n   schema1:value ?val .\n FILTER(?val > 10)\n}"
}