**Task-1**

**Draw.io diagram for the execution of a linux program in bashscript**

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| internsctl |

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| Functions |

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| + displayManual(): void |

| + getCpuInfo(): void |

| + getMemoryInfo(): void |

| + createUser(username: string): void |

| + listUsers(sudoOnly: boolean): void |

| + getFileInfo(fileName: string, |

| options: string[]): void |

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| Main Logic |

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| + case "cpu": getCpuInfo(); break; |

| + case "memory": getMemoryInfo(); break;|

| + case "user": |

| | + case "create": createUser(); break;|

| | + case "list": listUsers(); break; |

| + case "file": getFileInfo(); break; |

| + case "--version": echo "v0.1.0"; break;|

| + case "--help": displayManual(); break;|

| + default: echo "Invalid command"; exit 1;|

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**Description**

* Internsctl represents the main script
* Functions such as displayManual, getinfo, createuser, Listuser, and get Fileinfo correspond to the functionalities mentioned in the previous responses.
* The Main logic section represents the main switch structure for handling different command-line arguments.