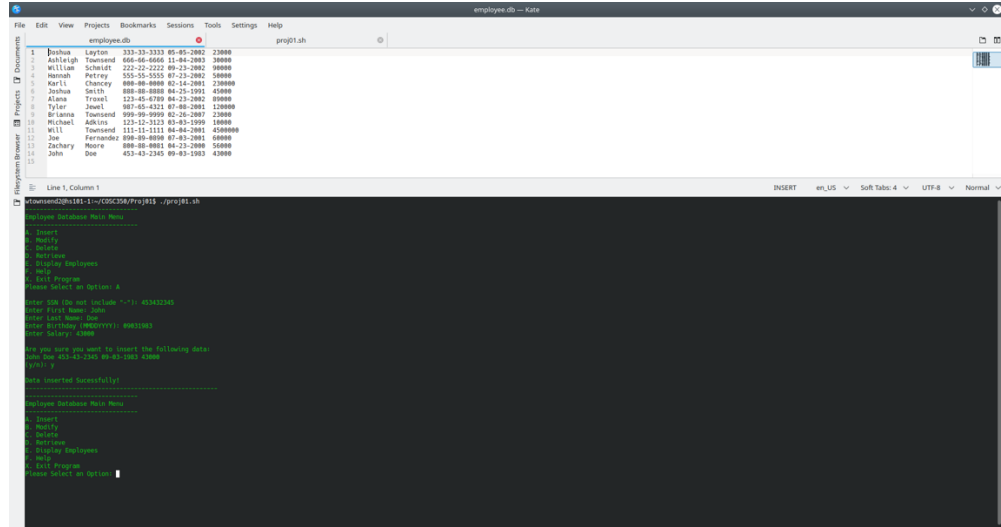


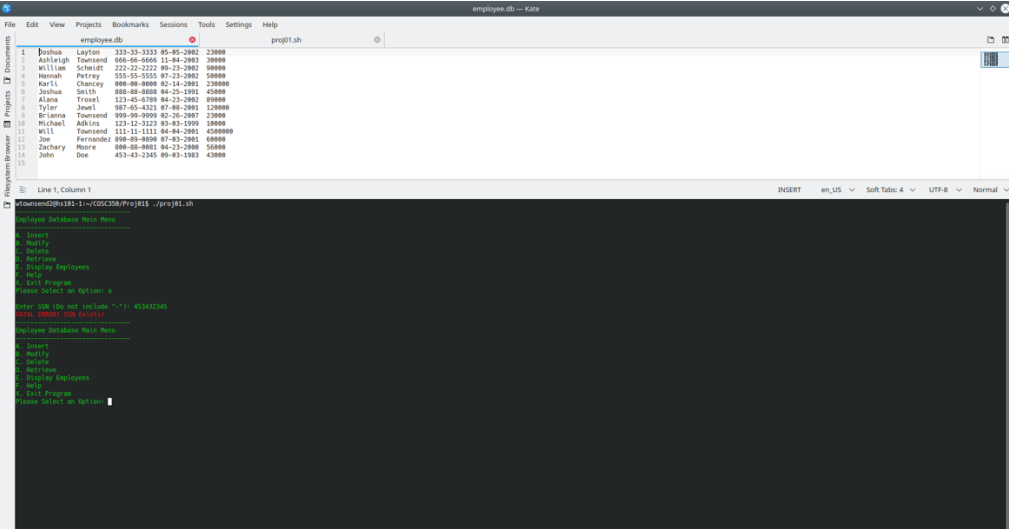
Project #1 Testing Outputs:

Insert

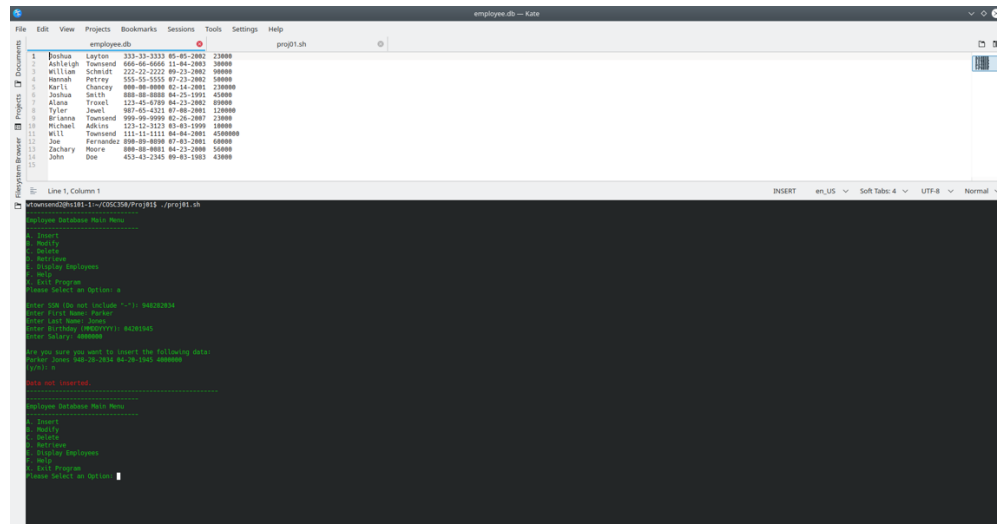
Test Conditions	Expected Output	Actual Output
SSN: 453-43-2345 (453432345) First Name: John Last Name: Doe DOB: 09-03-1983 (09031983) Salary: 43000 Insert?: y	Confirmation of the added information and its existence in employee.db	Confirmation of the added information and its existence in employee.db



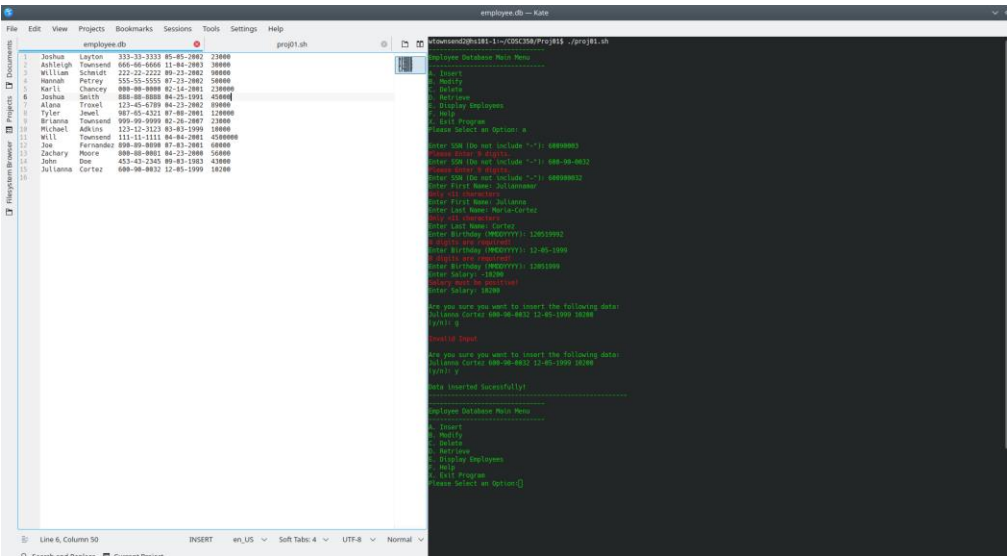
Test Conditions	Expected Output	Actual Output
SSN: 453-43-2345 (453432345) First Name: N/A Last Name: N/A DOB: N/A Salary: N/A Insert?: N/A	An Error for duplicate SSN and boot from the function	An Error for duplicate SSN and boot from the function



Test Conditions	Expected Output	Actual Output
SSN: 948-28-2034 (948282034) First Name: Parker Last Name: Jones DOB: 04-20-1945 (04201945) Salary: 4000000 Insert?: n	Confirmation of the unadded information and no existence of data in employee.db	Confirmation of the unadded information and no existence of data in employee.db

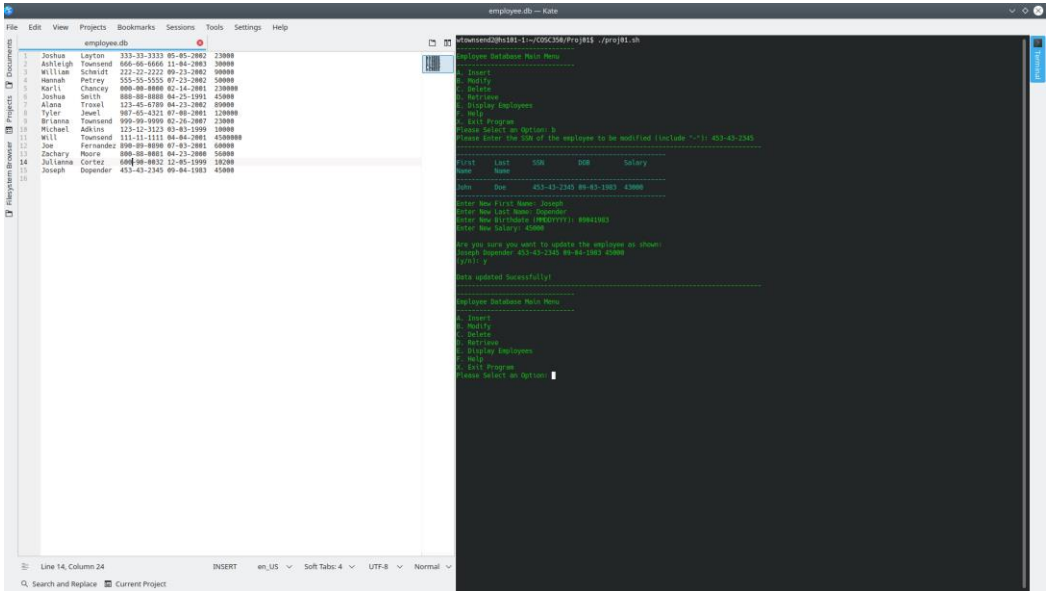


Test Conditions	Expected Output	Actual Output
SSN: 600-90-003 (60090003) then (600900032) First Name: Juliannamar then Julianna Last Name: Maria- Cortez then Cortez DOB: 12-05-19992 (120519992) then (12051999) Salary: -10200 then 10200 Insert?: g then y	An error for SSN, first and last name (char>10), DOB, and Salary, but moves on after valid input and successfully inserts	An error for SSN, first and last name (char>10), DOB, and Salary, but moves on after valid input and successfully inserts

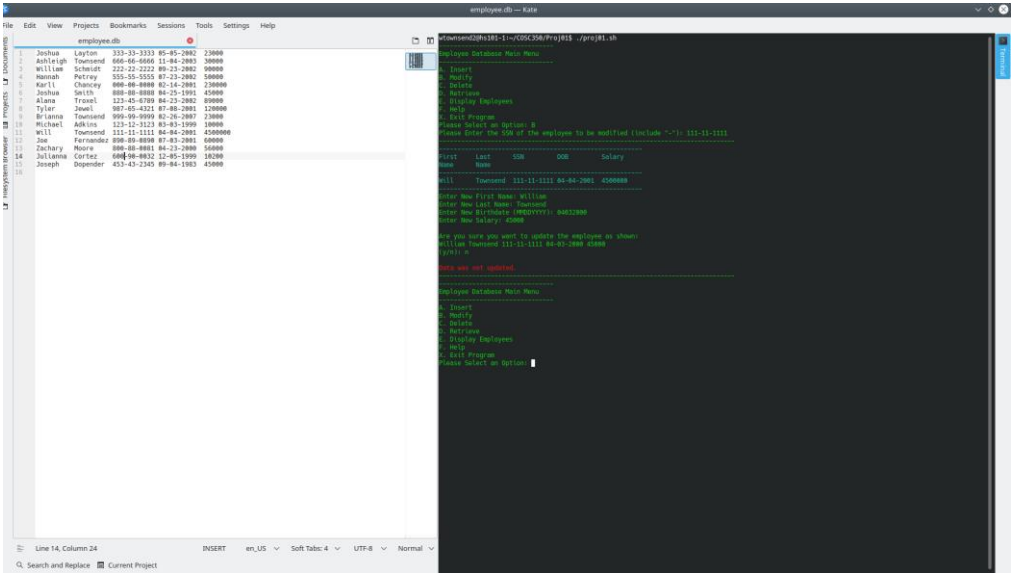


Modify

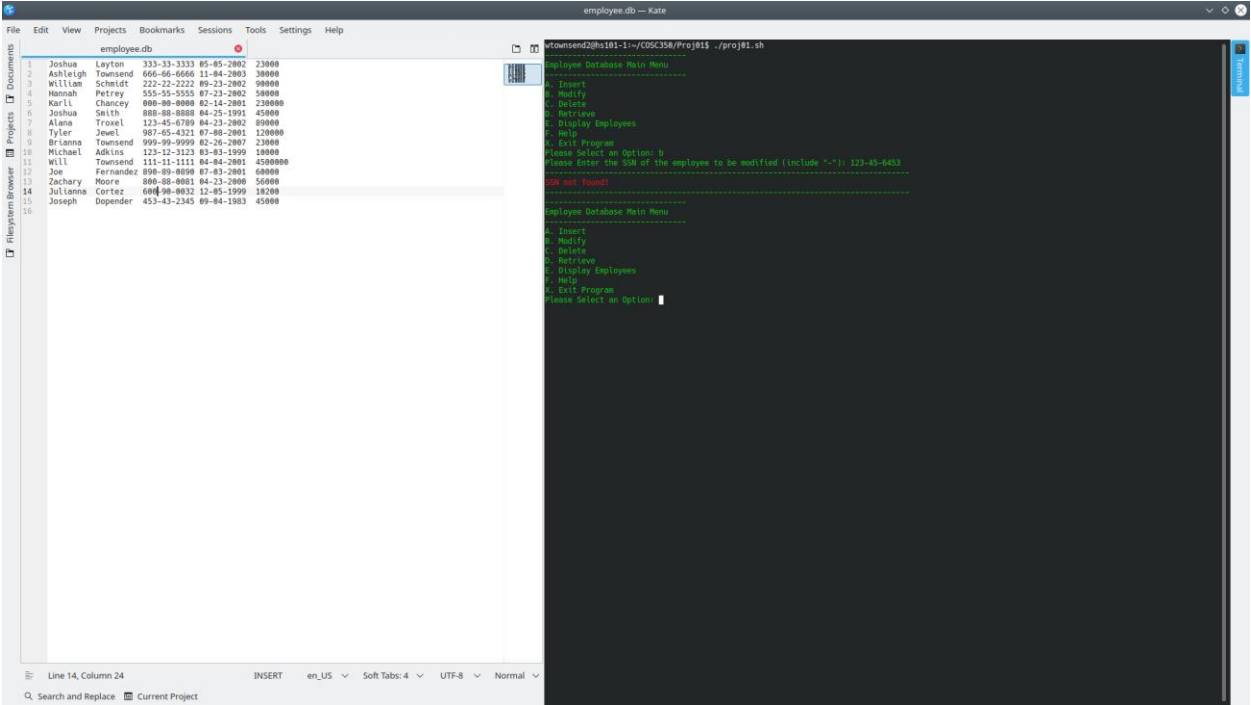
Test Conditions	Expected Output	Actual Output
SSN: 453-43-2345 New Last Name: Dopender New First Name: Joseph New DOB: 09041983 New Salary: 45000 Confirmation: y	Display Employee data to be updated, a confirmation section, and the data successfully being updated into the file.	Display Employee data to be updated, a confirmation section, and the data successfully being updated into the file.



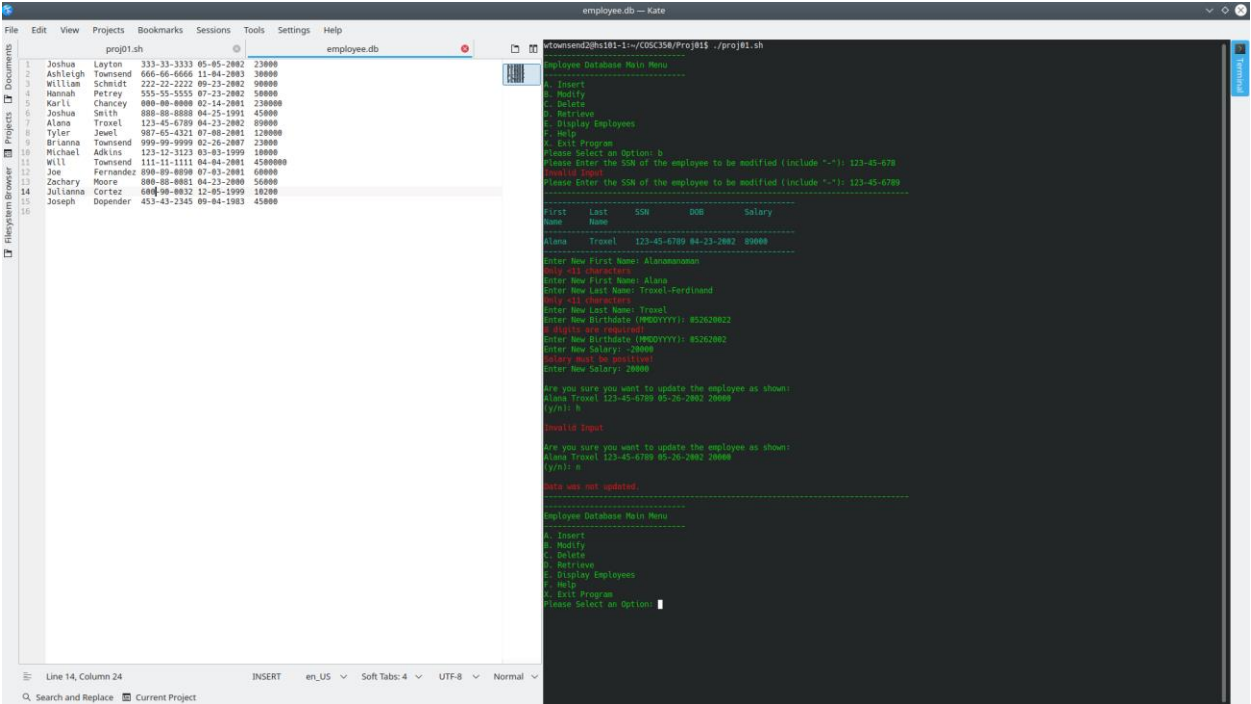
Test Conditions	Expected Output	Actual Output
SSN: 111-11-1111 New Last Name: William New First Name: Townsend New DOB: 04032000 New Salary: 45000 Confirmation: n	Display Employee data to be updated, a confirmation text, and the data not being updated into the file.	Display Employee data to be updated, a confirmation text, and the data not being updated into the file.



Test Conditions	Expected Output	Actual Output
SSN: 12-345-6453 New Last Name: N/A New First Name: N/A New DOB: N/A New Salary: N/A Confirmation: N/A	Employee not found and boot out of function	Employee not found and boot out of function

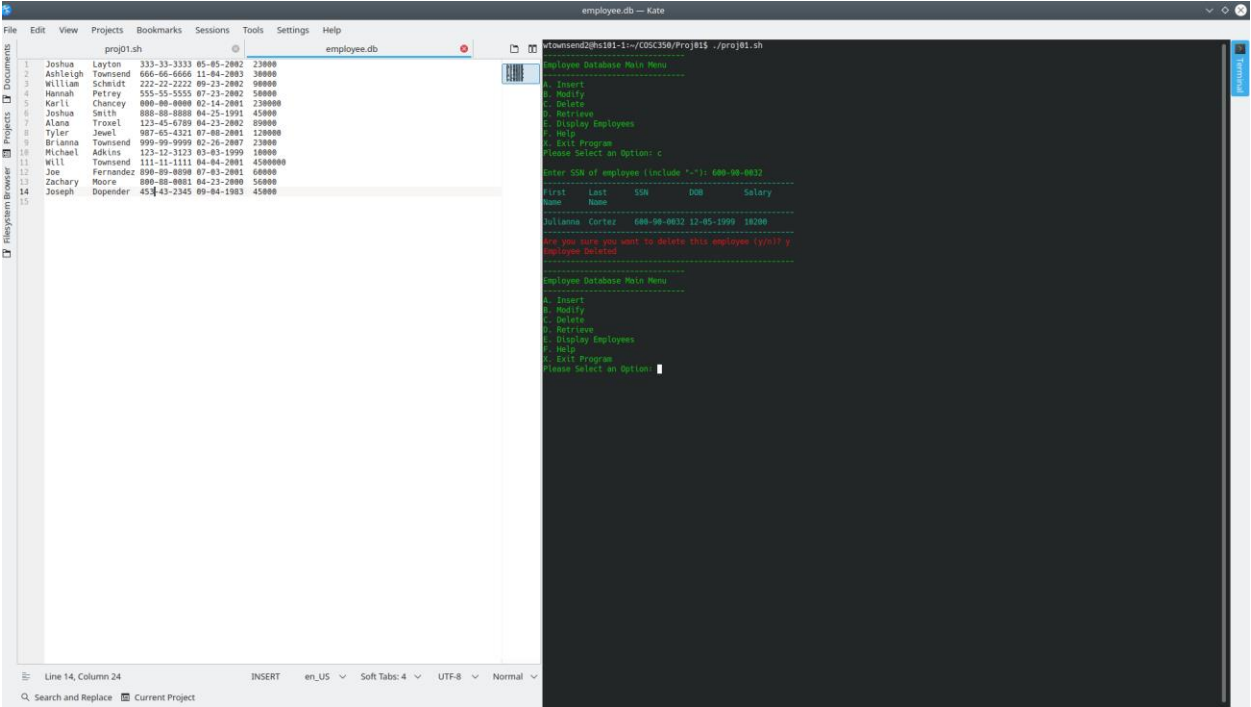


Test Conditions	Expected Output	Actual Output
SSN: 123-45-678 (Invalid) then 123-45-6789 New Last Name: Alanamanaman (Invalid) Alana New First Name: Troxel-Ferdinand (Invalid) Troxel New DOB: 052620022 (Invalid) 05262002 New Salary: -20000 then 20000 Confirmation: h then n	Invalid Inputs for all criteria but then moves on as normal and does not update	Invalid Inputs for all criteria but then moves on as normal and does not update

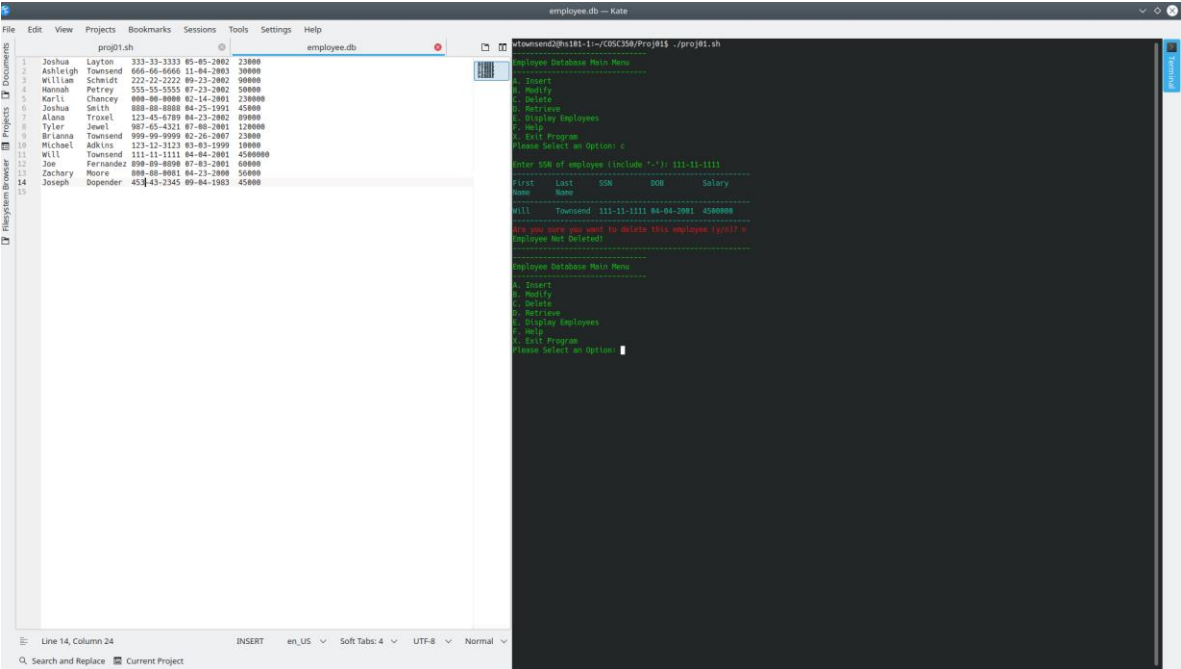


Delete

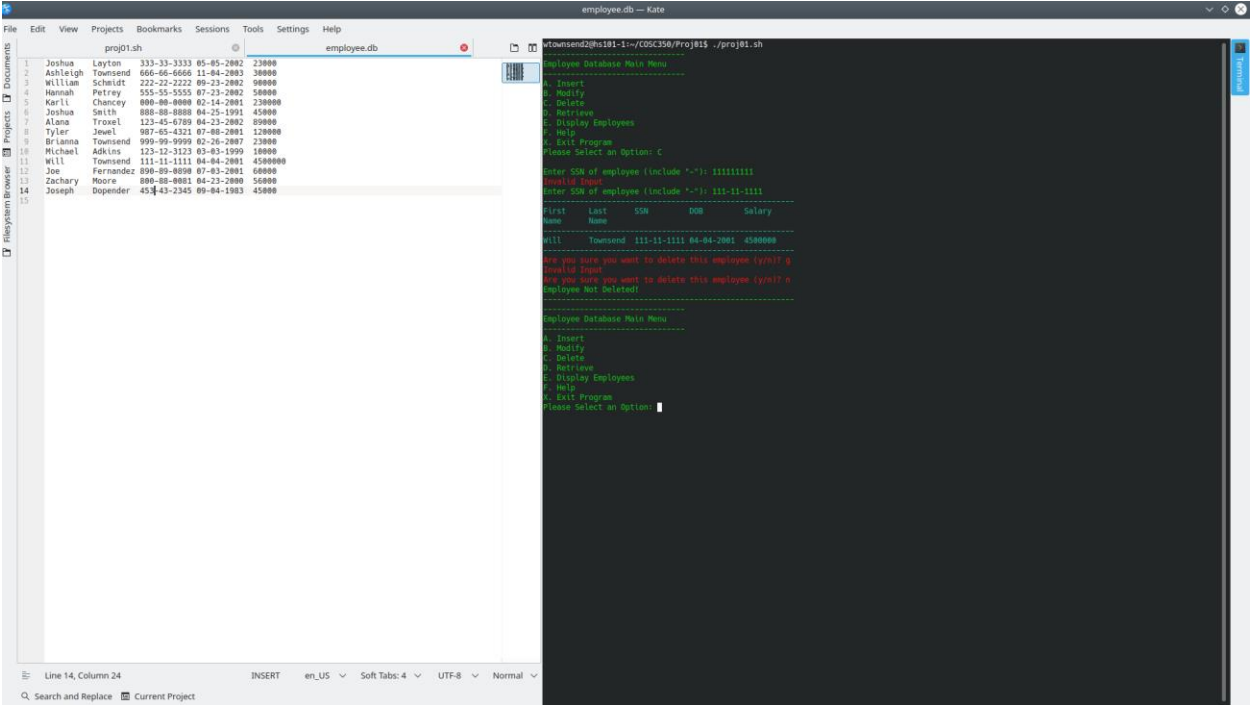
Test Conditions	Expected Output	Actual Output
SSN: 600-90-0032 Confirmation: y	Display Employee, confirmation text and input and the deletion of the employee from the file	Display Employee, confirmation text and input and the deletion of the employee from the file



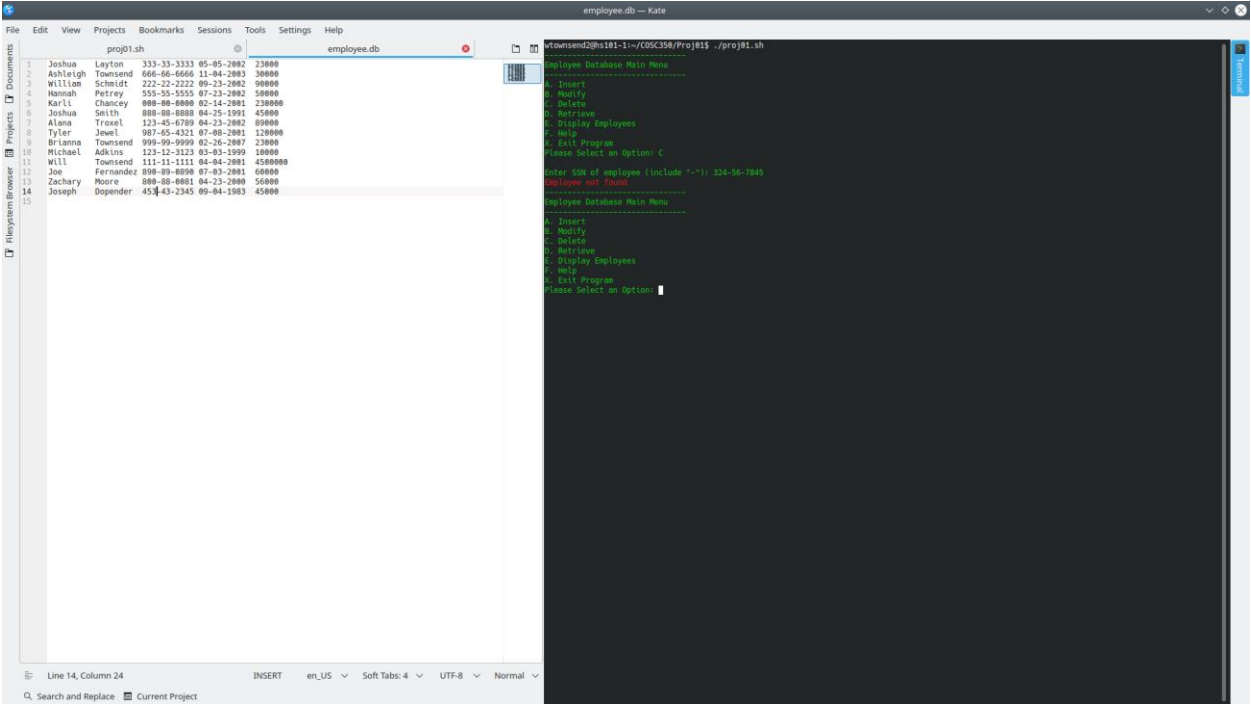
Test Conditions	Expected Output	Actual Output
SSN: 111-11-1111 Confirmation: n	Display Employee, confirmation text and input and the presence of the employee in the file	Display Employee, confirmation text and input and the presence of the employee in the file



Test Conditions	Expected Output	Actual Output
SSN: 111111111 then 111-11-1111 Confirmation: g then n	Invalid input then Display Employee, confirmation text Invalid Input then the presence of the employee in the file	Invalid input then Display Employee, confirmation text Invalid Input then the presence of the employee in the file

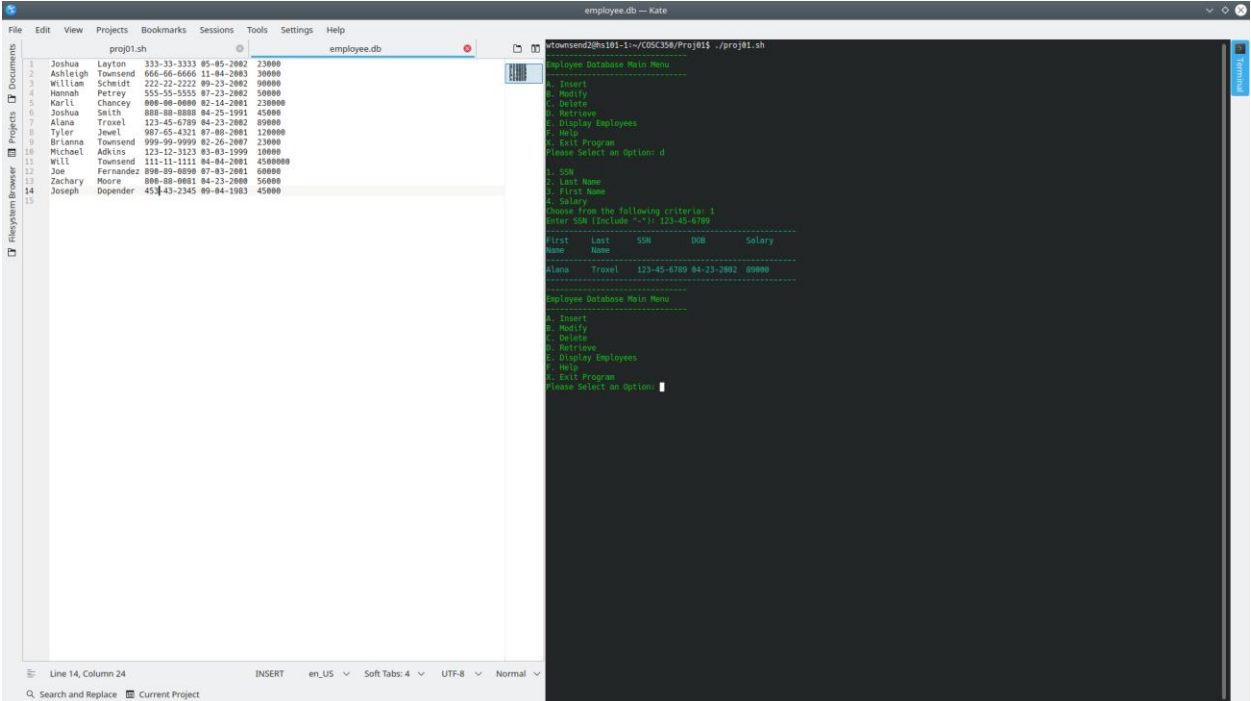


Test Conditions	Expected Output	Actual Output
SSN: 342-56-7845 Confirmation: N/A	SSN doesn't exist and a boot from the function	SSN doesn't exist and a boot from the function

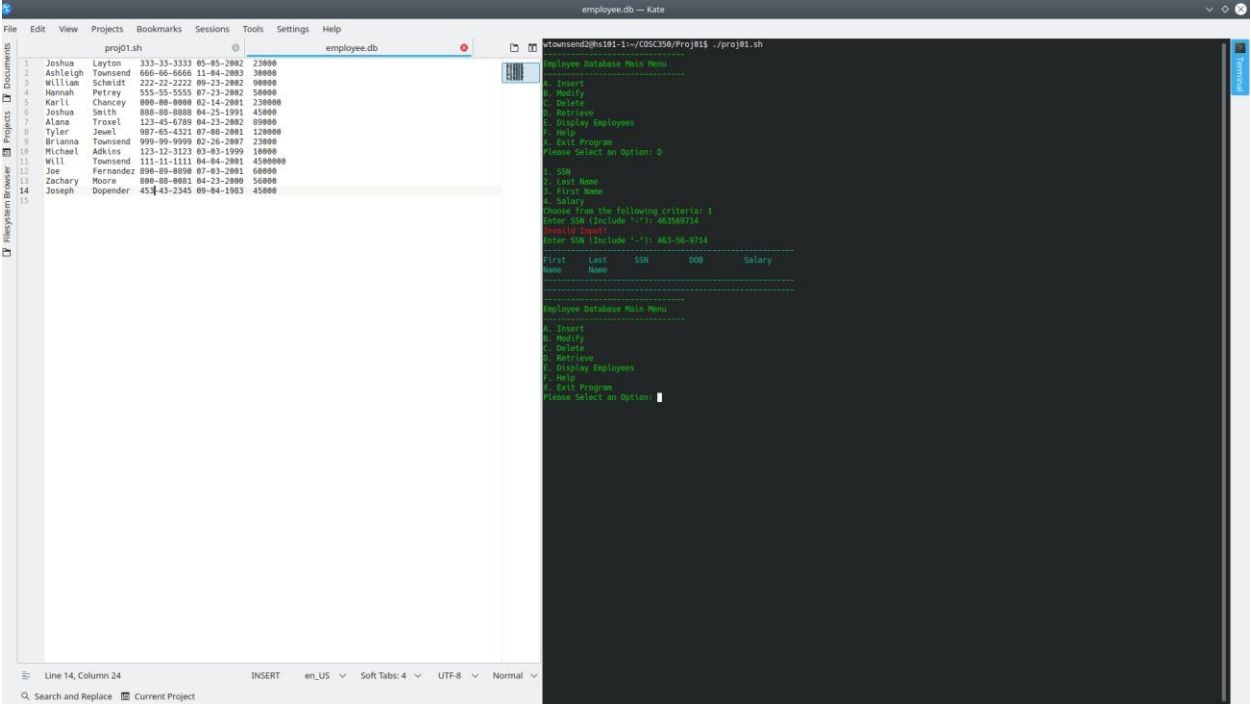


Retrieve

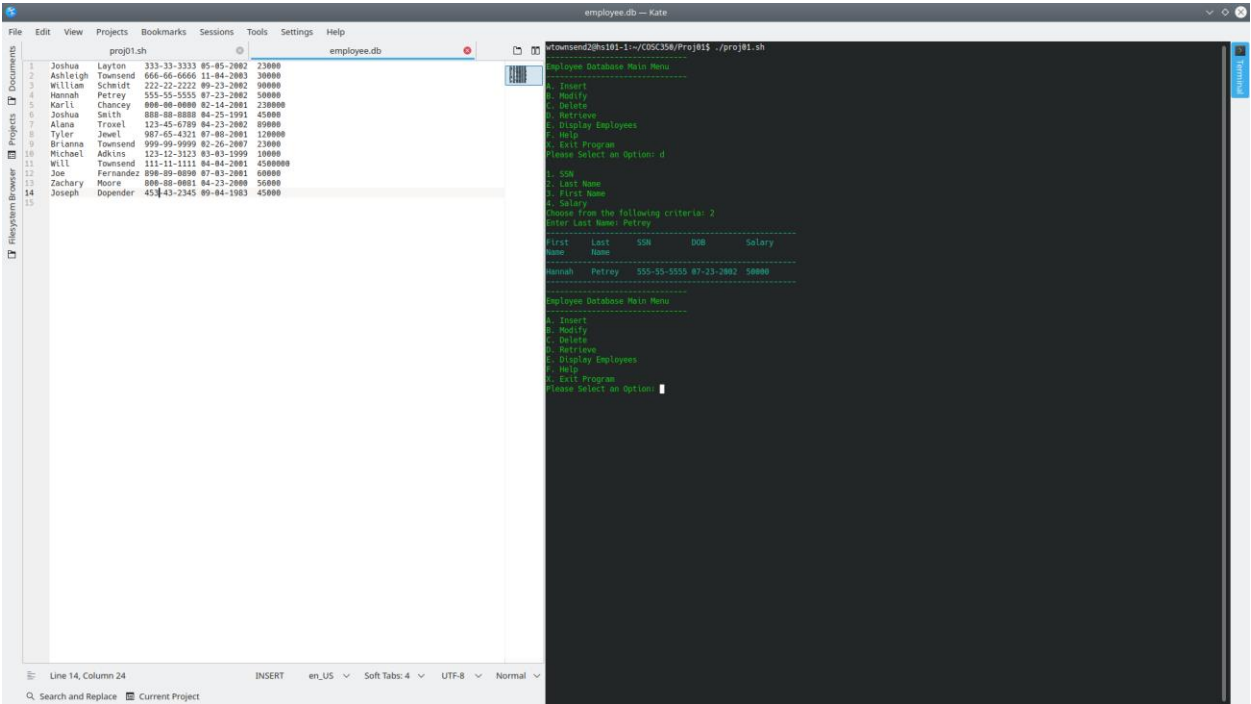
Test Conditions	Expected Output	Actual Output
Search by SSN: 123-45-6789	Display the employee with the associated SSN	Display the employee with the associated SSN



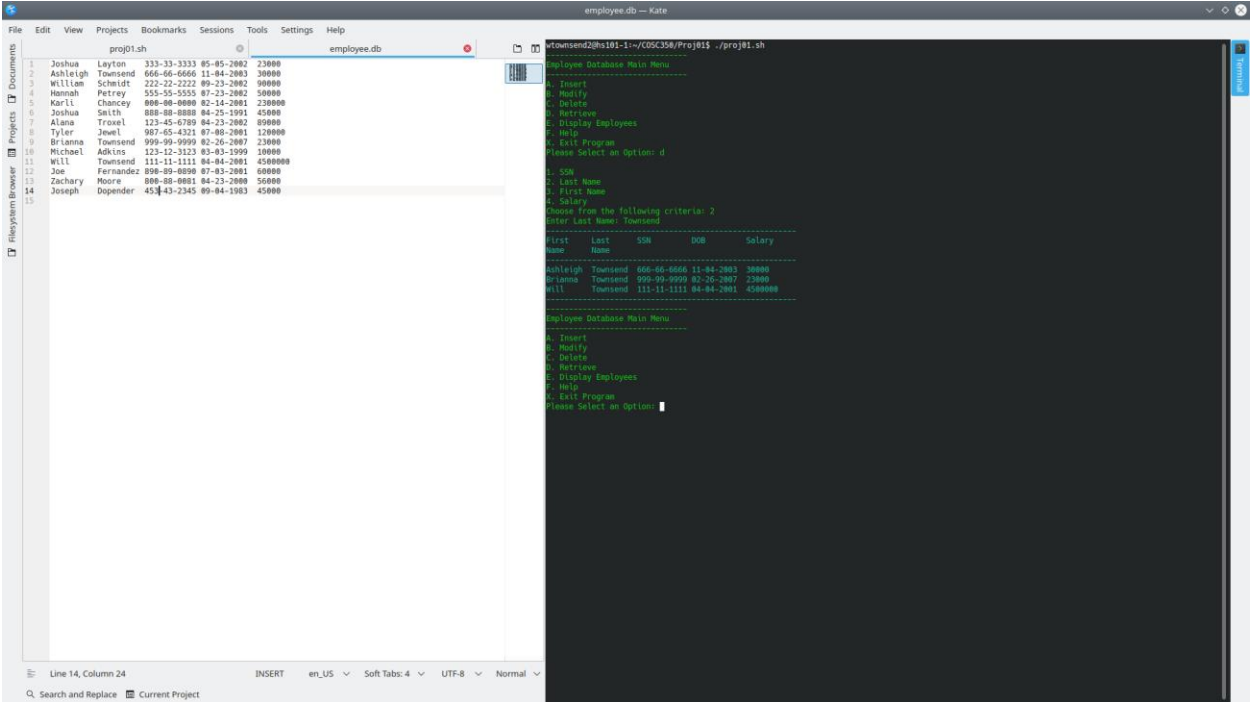
Test Conditions	Expected Output	Actual Output
Search by SSN: 463569714 then 463-56-9714	Error then displays nothing	Error then displays nothing



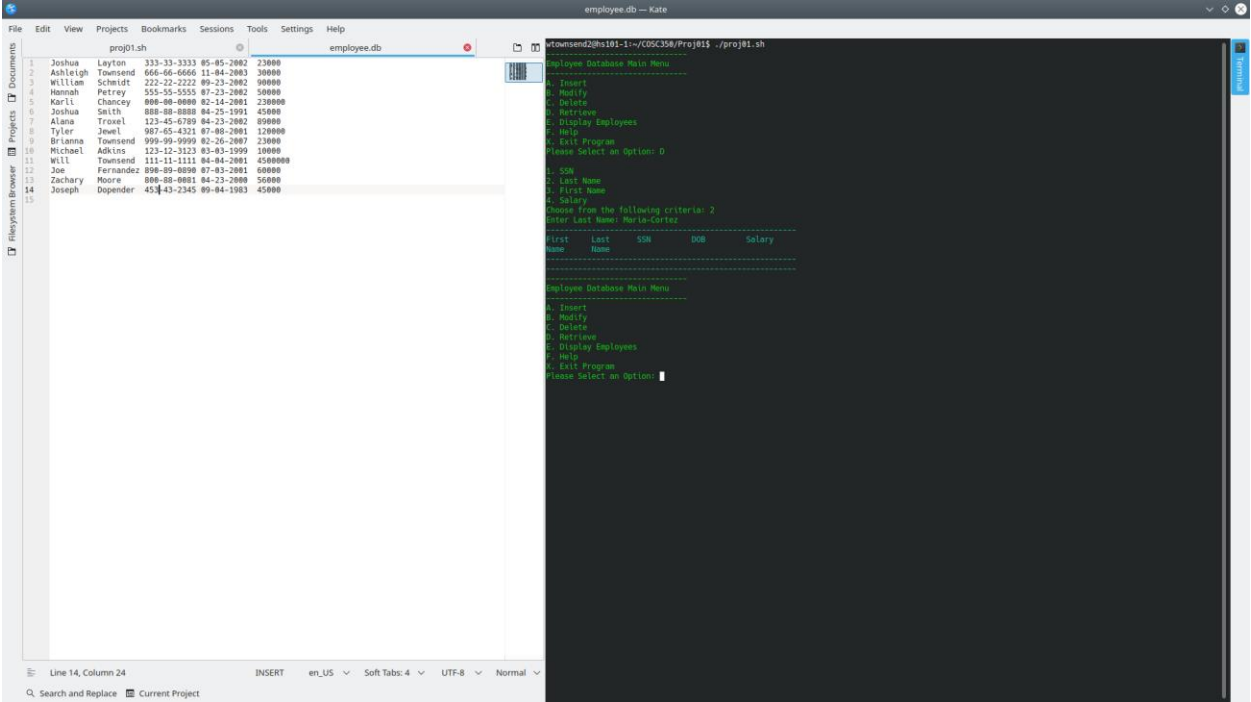
Test Conditions	Expected Output	Actual Output
Search by Last Name: Petrey	Displays Hannah Petrey only	Displays Hannah Petrey only



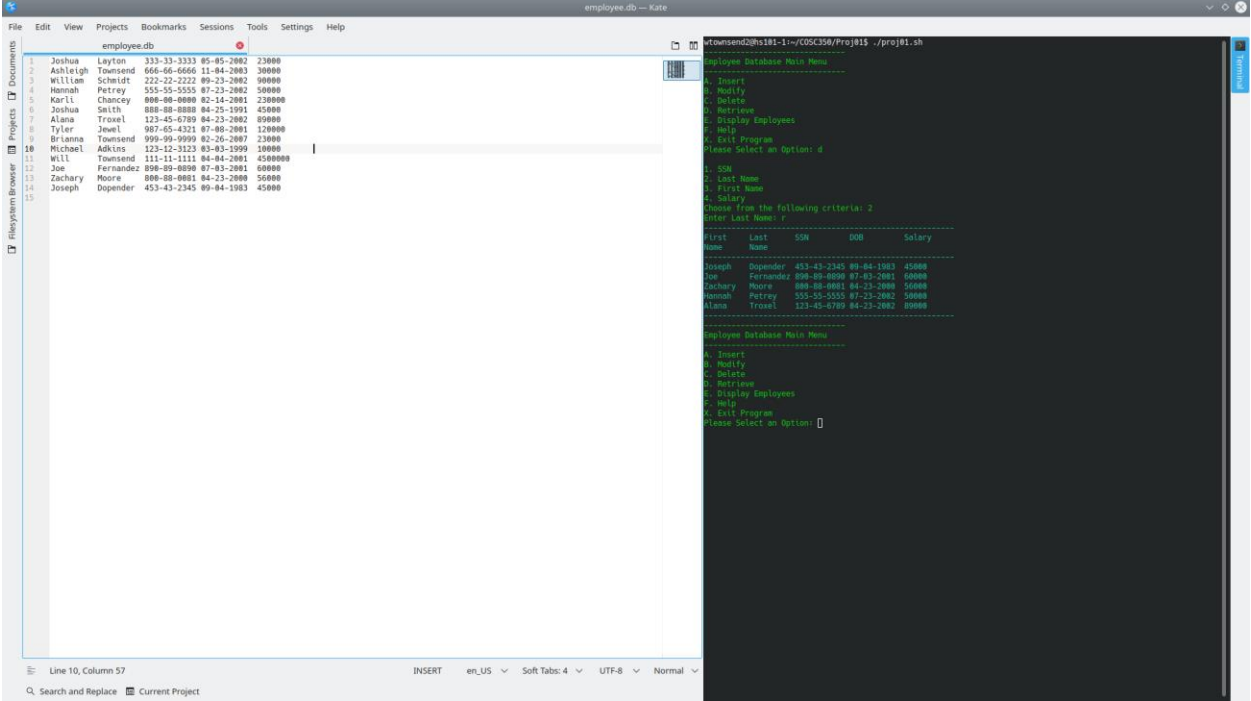
Test Conditions	Expected Output	Actual Output
Search by Last Name: Townsend	Displays all Employees with last name Townsend and sorted	Displays all Employees with last name Townsend and sorted



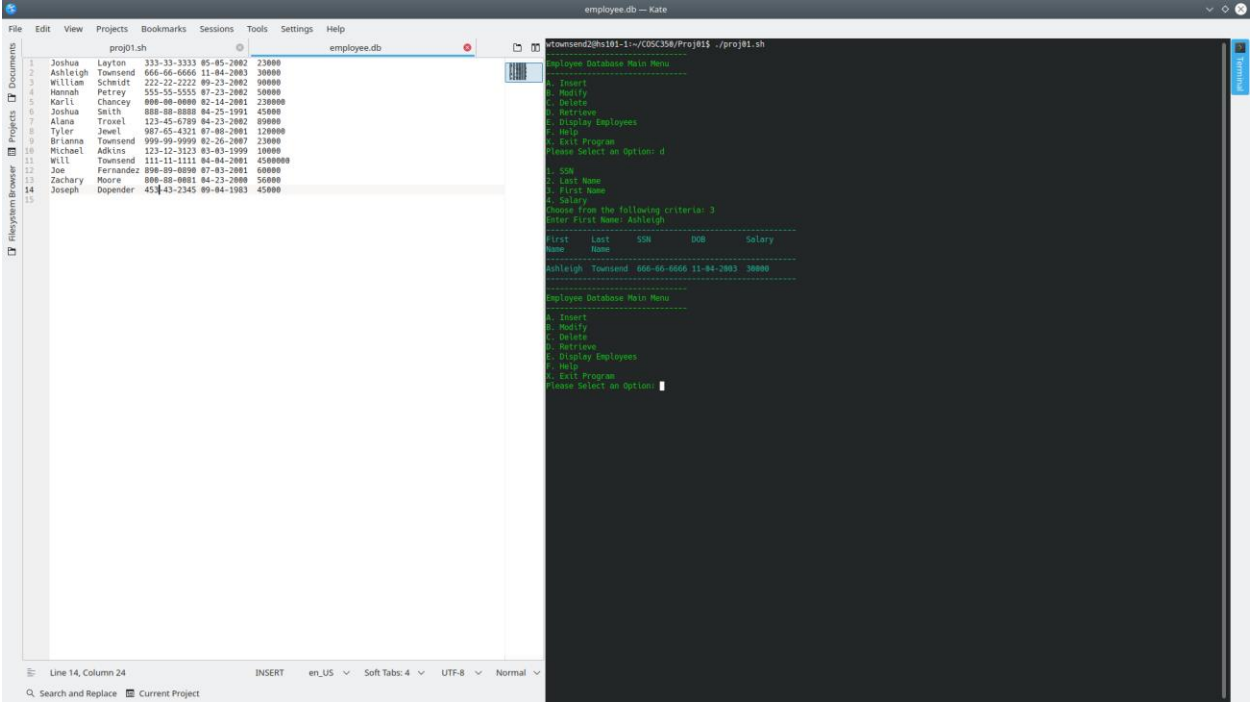
Test Conditions	Expected Output	Actual Output
Search by Last Name: Maria-Cortez	Nothing Displays	Nothing Displays



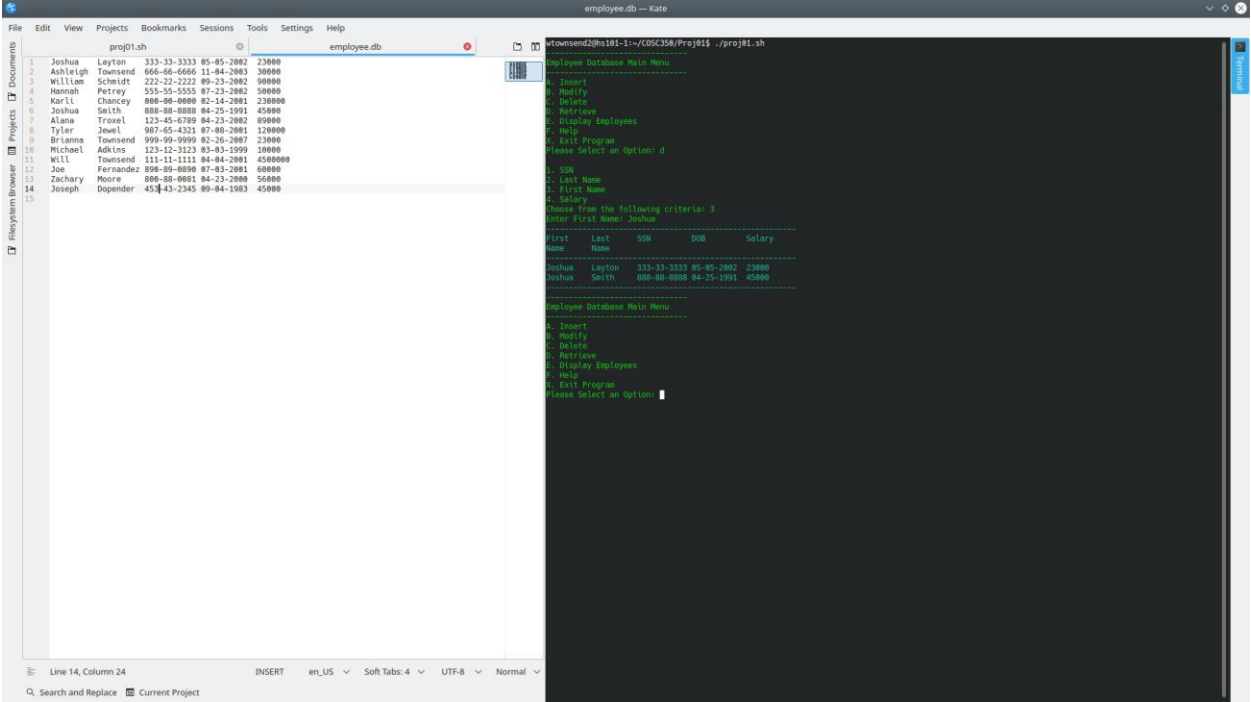
Test Conditions	Expected Output	Actual Output
Search by Last Name: r	Any employee with a last name containing 'r' will display and sorted by last name	Any employee with a last name containing 'r' will display and sorted by last name



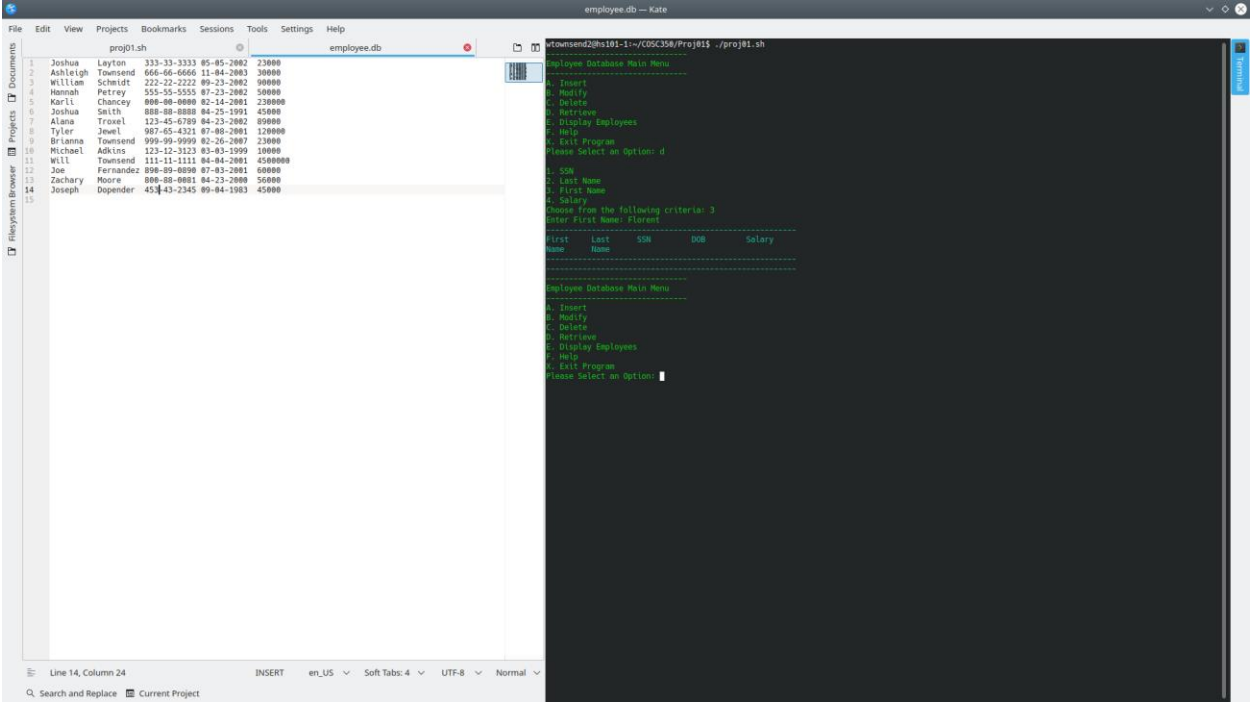
Test Conditions	Expected Output	Actual Output
Search by First Name: Ashleigh	Displays Ashleigh Townsend only	Displays Ashleigh Townsend only



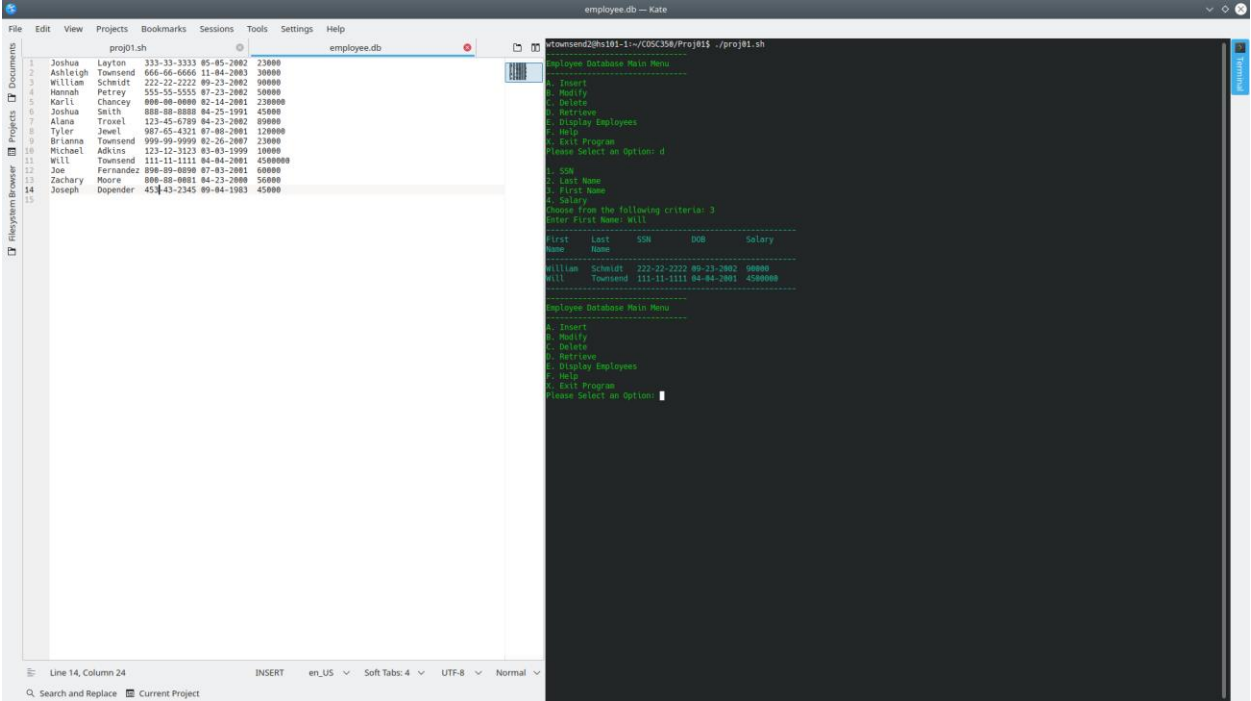
Test Conditions	Expected Output	Actual Output
Search by First Name: Joshua	Displays all Employees with first name Joshua and sorted	Displays all Employees with first name Joshua and sorted



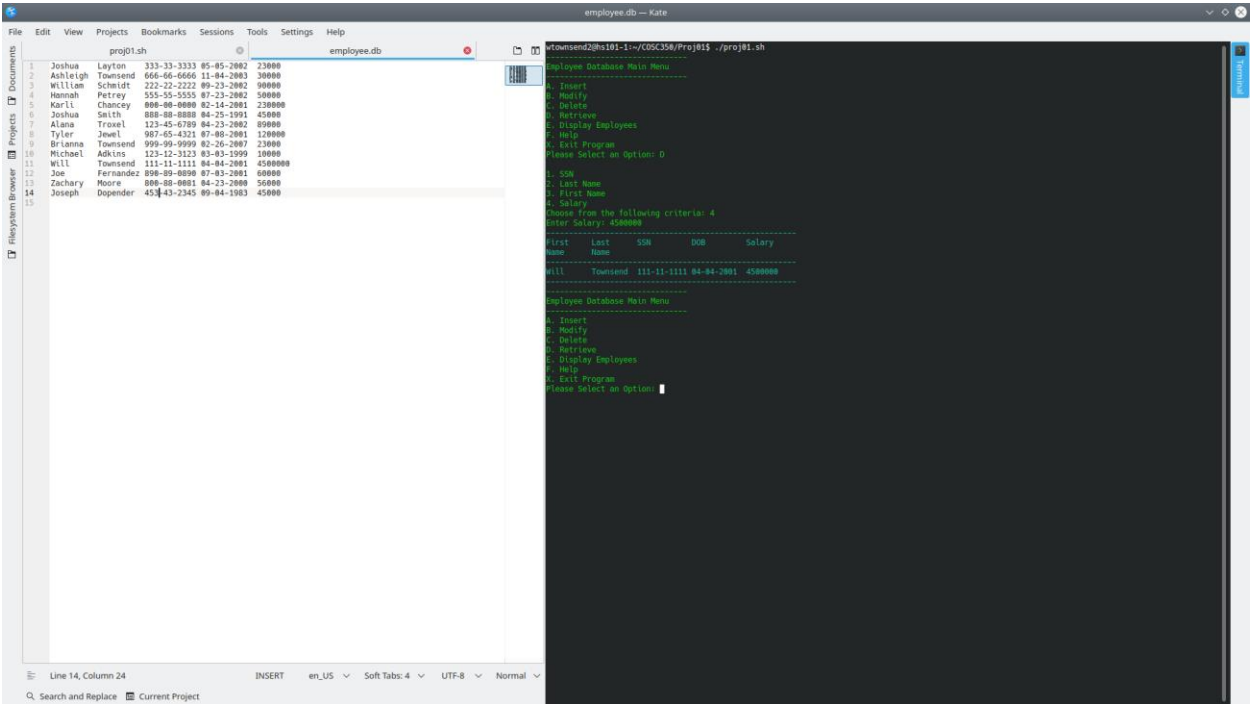
Test Conditions	Expected Output	Actual Output
Search by First Name: Florent	Nothing Displays	Nothing Displays



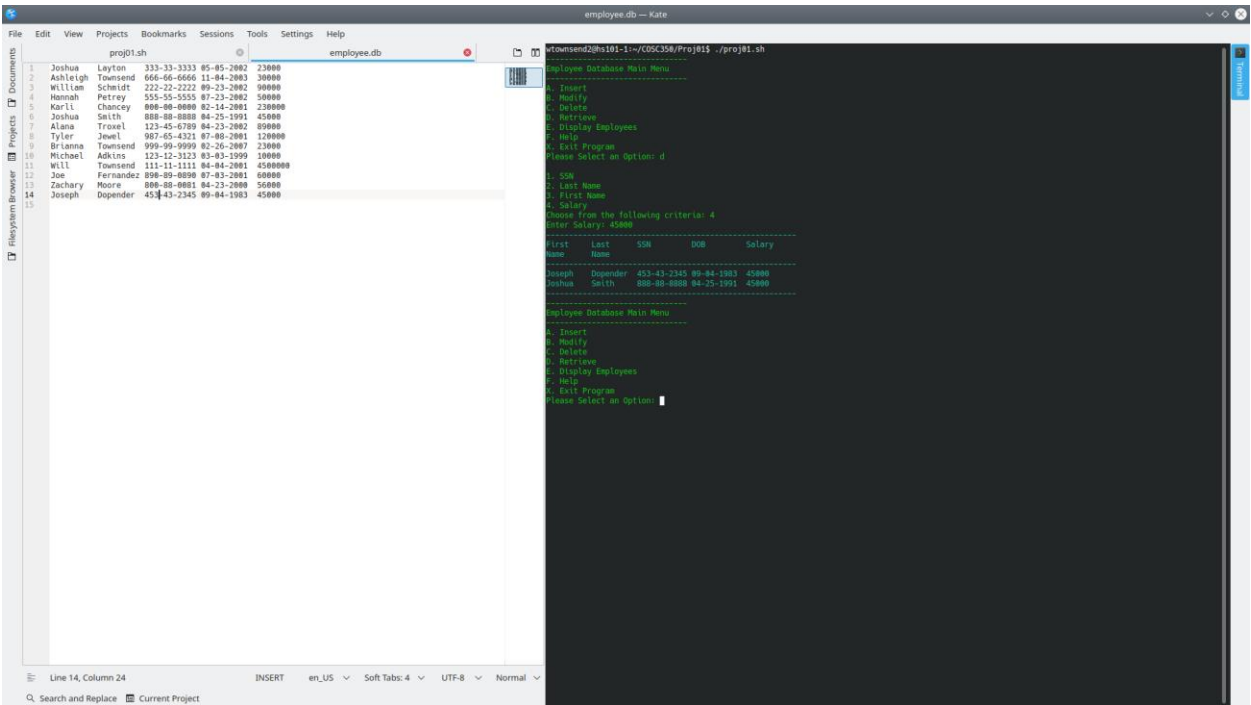
Test Conditions	Expected Output	Actual Output
Search by First Name: Will	Any employee with a last name containing 'Will' will display and be sorted by first name	Any employee with a last name containing 'Will' will display and be sorted by first name



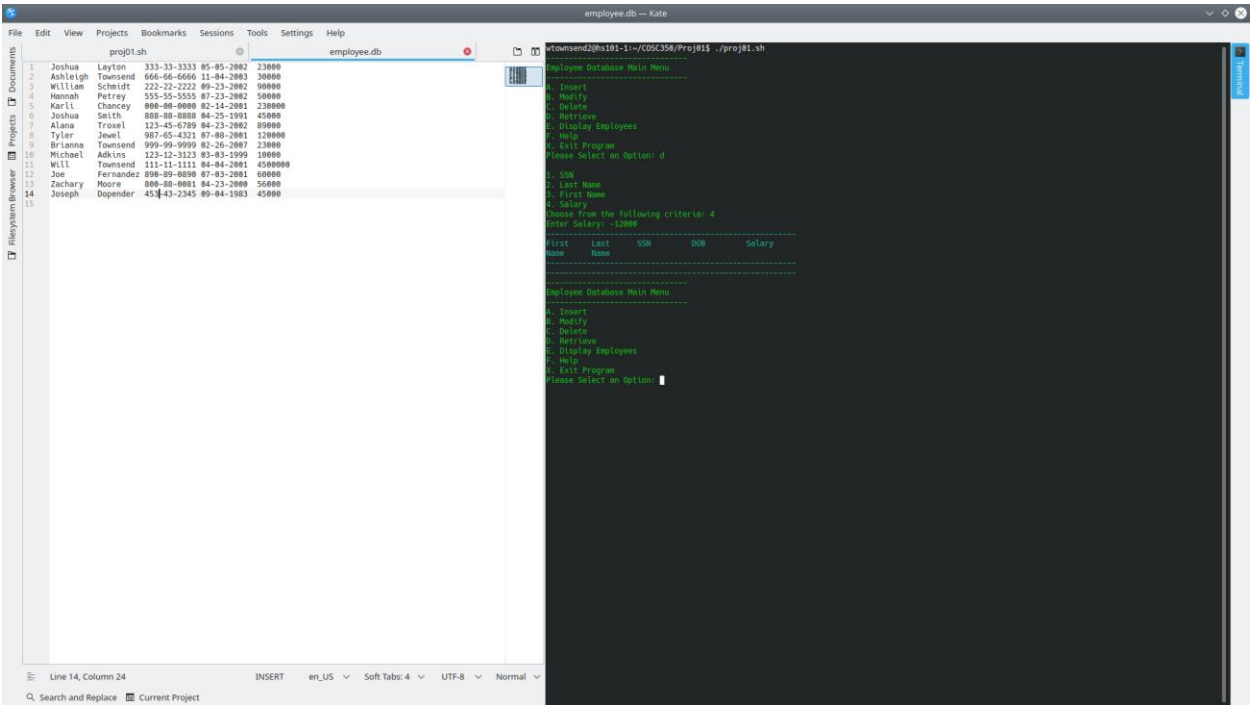
Test Conditions	Expected Output	Actual Output
Search by Salary: 4500000	Displays Will Townsend only	Displays Will Townsend only



Test Conditions	Expected Output	Actual Output
Search by Salary: 45000	Displays all Employees with salary 45000	Displays all Employees with salary 45000

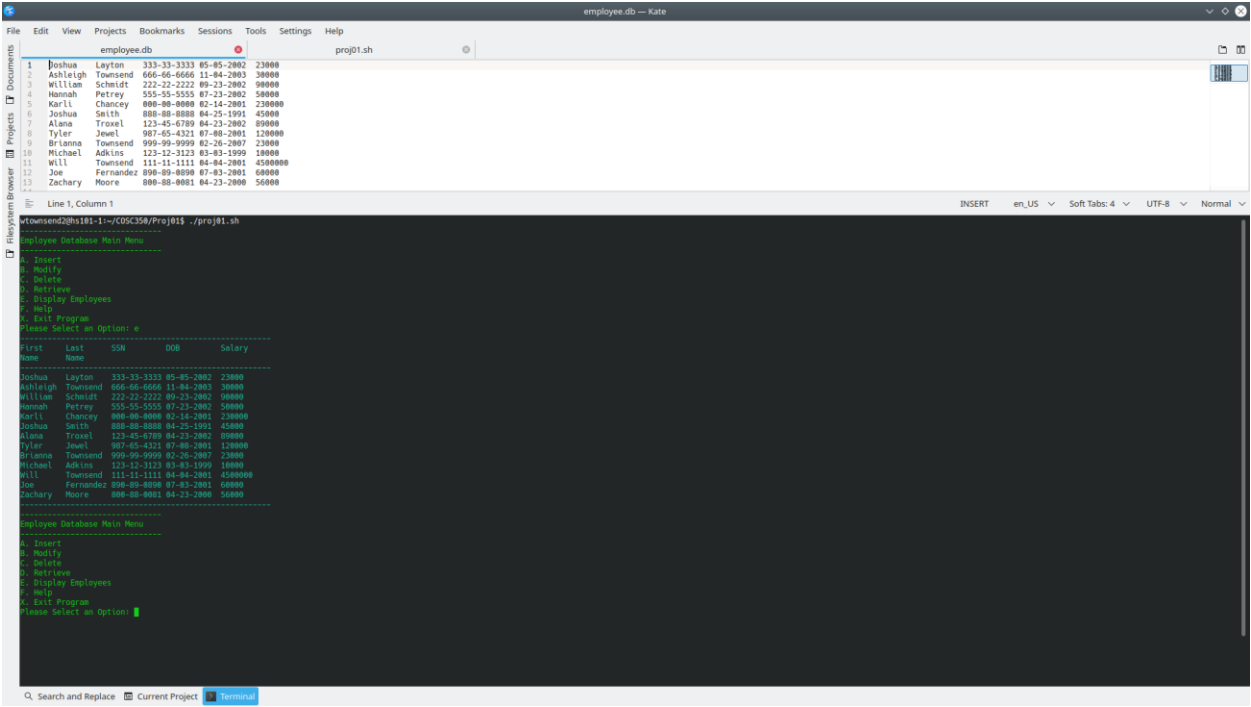


Test Conditions	Expected Output	Actual Output
Search by Salary: -12000	Nothing Displays	Nothing Displays



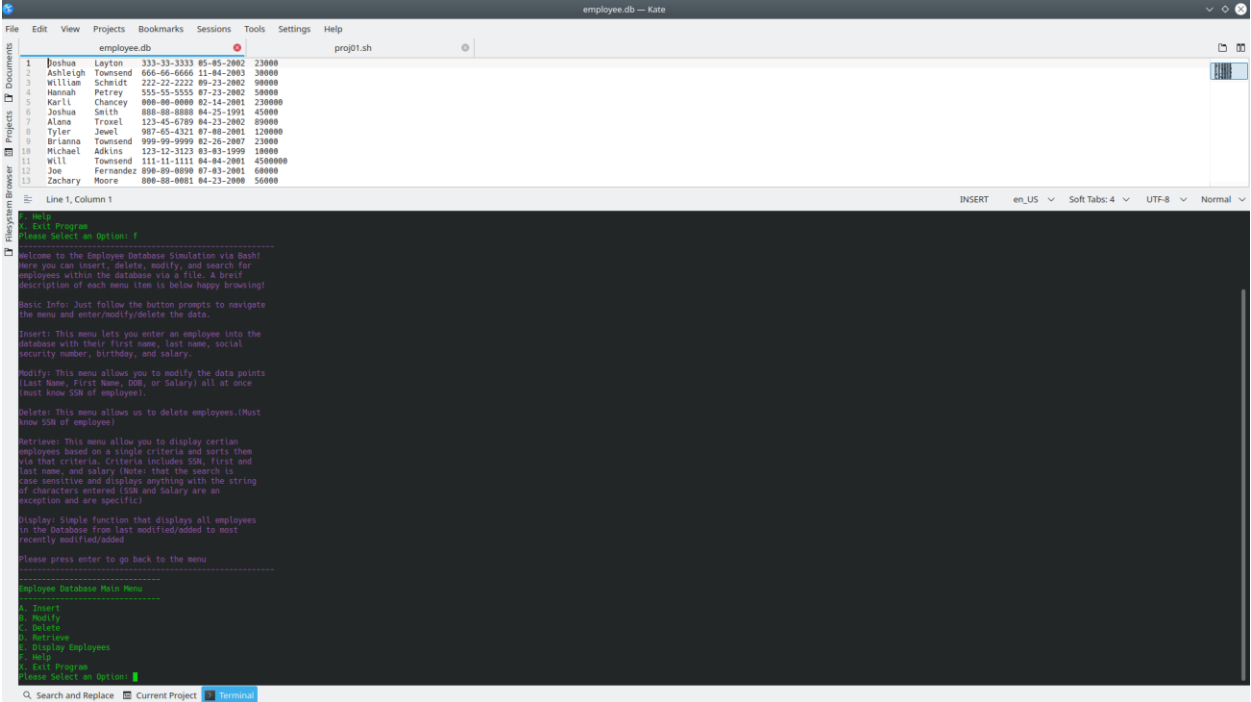
Display Employees

Test Conditions	Expected Output	Actual Output
e or E in the main menu	All employees and data in the database/file	All employees and data in the database/file



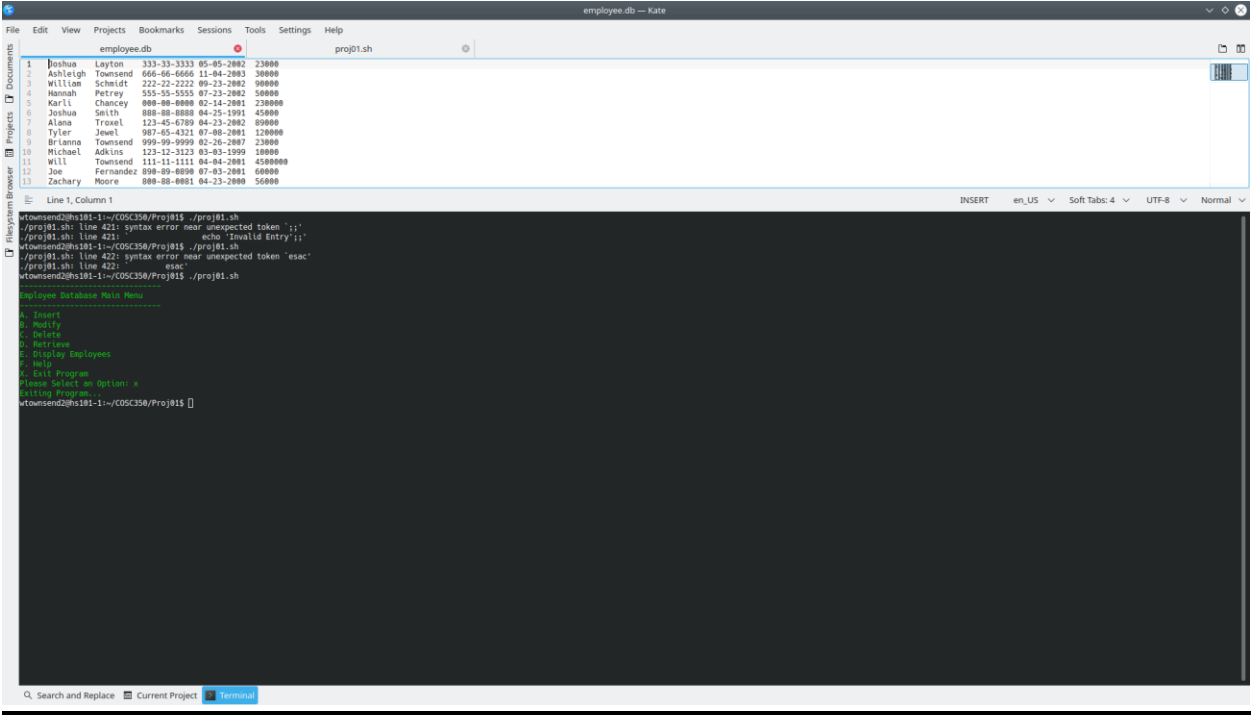
Help

Test Conditions	Expected Output	Actual Output
f or F in the main menu	Information on each function	Information on each function



Exit

Test Conditions	Expected Output	Actual Output
x or X in the main menu	Exiting Program... and closes the program	Exiting Program... and closes the program



All Menu Invalid Inputs

These screenshots are the testing of the “every other case” case. Particularly in the main menu and retrieve menu.

