The module 12 challenge is a SQL HR program. It can be able to view and manage the departments, roles, and employees in the program.

It is a command-line application that accepts user input. WHEN the application startup a main menu will be display for the user to select view, add, or update. After selected, it will show the sub-menu accordingly.

In the view menu, the user can select the following options: view all departments, view all roles, view all employees or return to the main menu.

In the add menu, the user can select the following options: add a department, add a role, add an employee, or return to the main menu.

When the user selected the update menu, it will direct divert to update an employee role.

When the view all departments is selected, a formatted table showing department names and department ids

When the view all roles is selected, a formatted table showing the job title, role id, the department name, and the salary.

When the view all employees is selected, a formatted table showing the employee data, including employee ids, first names, last names, job titles, departments, salaries, and report managers.

WHEN add a department is selected, the user need to enter the name of the department and it will save to the database

WHEN add a role is selected, the user need to enter the name, salary, and department for the role and it will save to the database

WHEN add an employee is selected, the user need to enter the employee’s first name, last name, role, and report manager and it will save to the database

WHEN the user select update an employee role, the user need to

Select the new role and this information will be updated in the database

The source code: https://github.com/hippobb/Module\_12

The video Link : <https://drive.google.com/file/d/11j5LPFeqdyj-YCXpUg2d0LB-a_M1OmHo/view>

Or <https://github.com/hippobb/Module_12/blob/main/Module_12.mp4>