

Shell scripting task

Create a directory **company_info**, such that any member of this company can create a file or access a file under it.

Given an employee's data "Employees.csv":

- get total number of employees and print the result on the screen.
- get number of employees in IT department and write current date and the result into 'IT_employess_count.txt' file under company_info directory.
- get average employees age and write current date and the result into 'employess_age_average.txt' file under company_info directory.
- get max, min salary for Technology department and write current date and the result with employee name into 'technology_salaries.txt' file under company_info directory.
- Write a bash script that finds all the invalid email addresses and write all of the employee data into a file 'employess_invalid_email.txt'. Assume that a valid email addresses has the following rules:
 - Email should be of the form **local@domain.com**
 - There can only be alphanumeric characters in the local part email address.
 - The following characters are valid in the local part of the email as long as they are not the first character "-", "_", "+", "."
 - Email address can't start with a number.
 - Domain name can only contain alphanumeric characters.
 - com part can have at most one ., for e.g. com.uk or com.in is valid but com.eg.gh is invalid
- Write a bash script to get all invalid phone numbers and write all of the employee data into a file 'employess_invalid_numbers.txt'. You may assume that a valid phone number must appear in this format **xxx-xxx-xxxx**.
- Write a bash script to combine both **CountryCode** and **PhoneNumber** with a - and add a + before country code like **+countrycode-phonenummer** and remove country codes from the csv file.
- list files under company_info.