**C AND UNIX PROJECTS**

**1) Customer Billing System:**

It should be able to take input from the user on how many watts of electricity are used, plus gas used, and combine the cost and give out a bill. Bill needs to be stored in a file for the future references and could be looked at by the customer or the billing company. Data should be displayed like a table when requested. Your program should be able to print the sorted data.

**2) Phone Book:**

Should have several records (at least 10 people in the contact list to start). Phonebook features must include adding, updating, and deleting a number. There should be a find function that could be used to find a number by the person’s name, or a find person to find the name of the person to whom this number belongs. Sort by name is required.

**3) Bank management system:**

Should have multiple users with ID and password (at least 5). Only those with correct ID and password can login. The person should be able to withdraw/deposit cash. To make things easy you do not need to add new customers. If you want to make things interesting add a feature of adding a new customer. Hint: You can create two files one for keeping track of username and password to keep track. Still, you are most welcome to implement however you prefer.

**4) Employee Record System:**

It should keep track of when the employee signed in and out and needs to calculate the wages. It also should have multiple employees and all wages should be displayed separately by name and also together when needed (at least 10 employees). Sort by the field is required.

**5) Flight Booking system:**

A system to book tickets with the option of first and second class. The system should know which seat is occupied and which is not. Should also produce a ticket for the user’s reference. For the managers, it should be able to print out which seat is occupied by which person. Adding graphical plan for users’ reference will make things interesting for the user. There is no need to use Graphics.h. Just use tabling, lining, or other formatting to make it representable.

**6) Result management System:**

It should have two accesses. One as a teacher who is allowed to upload grades. Other is students who can just view their grades. It should have multiple students (at least 5). The teacher feature should have Edit marks for students and view all grades of all students together. Adding features like Min, Max, and Mean of the class will make this project even better. Sort is needed for the teacher based on the grades.