Instructions:

Default values in the program when start is:

1. first store (branch):

Store name : ms3d

Address : qalanswa

Number : 0

2. Second store :

strore name : hillou

address : arraba

number : 1

3. first employee in store ms3d :

```
Employee-{"empID":"2","empName":"ghanem","bankAccount":"777-
55556","hourSalary":-
1,"monthSalary":5000,"roles":["GroubManager"],"startDate":"2024-06-
01","endDate":"2025-01-01","storeNum":0,"password":"123"}
```

4. second employee in store hillou :

```
Employee-{"empID":"4","empName":"dahleh","bankAccount":"777-
55558","hourSalary":-
1,"monthSalary":5000,"roles":["ShiftManager"],"startDate":"2024-06-
01","endDate":"2024-07-01","storeNum":1,"password":"123"}
```

5. and the HR with password – "1234567"

We assumed that the roles that can be for any employee is :

```
StoreManager,Cashier,Storekeeper,ShiftManager,GroubManager
```

-Firstly- after starting the program it will show this options :-

```
welcome to super lee
 - to login as an employee write: login-<Id>-<password>
 - to login as HR manager write: hr-<password>
 - to finish write: finish
```

The user can choose either he want to login as an employee by typing "login-id-password" nor as an HRmanager and that by typing "hr-12345678" .

---If the user was an employee then the program will give him the interface that suites for him :-

```
Login successed!!
1. set-Password :to set a new Password
2. add-constrains : to add constrains.
3. add-role :to add role.
4. remove-role :to remove role.
5. terminate-job to terminate from job.
6. get-weak-shift-for-all :to get the shifts of the weak with the employees that work in.
7. set-new-bank-account :to set new bank account
8. profile :to print profile info
9. logout :to logout from the employee user.
Please choose an option :-
```

He can choose the option he want and every option had its simple explanation .

For example – addConstrains "this option allows the employee to choose which day get cant work in for the next wee"

Typing the number of the option :-

```
Login successed!!
1. set-Password :to set a new Password
2. add-constrains : to add constrains.
3. add-role :to add role.
4. remove-role :to remove role.
5. terminate-job to terminate from job.
6. get-weak-shift-for-all :to get the shifts of the weak with the employees that work in.
7. set-new-bank-account :to set new bank account
8. profile :to print profile info
9. logout :to logout from the employee user.
Please choose an option :-
2
please enter a date of constrain (Format:"yyyy-MM-dd"):
2024-06-09
Enter shift time (Day/Night):
Day
"Successfully add constrains"
```

Now the HR manager can see that this employee cant work in this shift and the program wont allow him to set this employee in this shift.

Also by option 6 the employee can ask to see the schedule but if the schedule is not ready he wont be able to see it until it be ready , and that is the job of the hr:-

```
Please choose an option :-
6
~WEEK SCHEDULE~
2024-06-09 Day :
2024-06-09 Night :
2024-06-10 Day :
2024-06-10 Night :
2024-06-11 Day :
2024-06-11 Night :
2024-06-12 Day :
2024-06-12 Night :
2024-06-13 Day :
2024-06-13 Night :
2024-06-14 Day :
2024-06-14 Night :
2024-06-15 Day :
2024-06-15 Night :

next week schedule is not ready to publish!
```

As we can see the employee can view the current week schedule but the next week isn't ready yet.

--AS an HR manager the program will show the other interface that suites him:-

```
hr-12345678
Login successed!!
1. get-constraints :to get the employees that can work in
2. add-employee :to add employee
3. remove-employee :to remove employee
4. get-shift-history :to get the history of shifts from specific date
5. update-salary :to update salary for employee
6. set-shift :to set a shift for employee
7. start-adding-constraints-for-next-week :to start a new week and make employees start add constrains
8. get-employee-profile :to get employee profile
9. get-current-week-schedule : to get the current week schedule
10. publish-schedule : to publish the schedule
11. logout
Please choose an option :-
```

Here also we can see every option that the program provides the hr , for example :-

*getConstrains – will allow the hr to see the shifts that a specific employee can work in (the available shifts for an employee) :

```
Please choose an option :-
1
enter the id of the employee you want to check :
2
2024-06-16 Day
2024-06-16 Night
2024-06-17 Day
2024-06-17 Night
2024-06-18 Day
2024-06-18 Night
2024-06-19 Day
2024-06-19 Night
2024-06-20 Day
2024-06-20 Night
2024-06-21 Day
2024-06-21 Night
2024-06-22 Day
2024-06-22 Night
```

*setShift – allow the hr to set a specific employee to a shift that the hr choose just if this employee can work in this shift ,otherwise he wont be able to set this employee to this shift:

```
Please choose an option :-
6
enter the date :
2024-06-16
enter the shift time (Day/Night) :
Day
enter the id of the employee :
2
choose a role to add/work as:
0-StoreManager,
1-Cashier,
2-Storekeeper,
3-ShiftManager,
4-GroubManager
4
"shift successfully added to the list"
```

* start-adding-constraints-for-next-week – this option is important be cause it give all the employees a permeation to start adding the constrains until reaching the deadline and then then hr can start doing the schedule and publish it when it finish so the employees can view it:

```
Please choose an option :-
7
Enter store number :
0
"success! - all employees can put there constrains now"
```