Department of Electrical and Computer Engineering

ENCS3130 – D. Mohammad Jubran

Project (1)

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Date: 15/5/2022.

Idea :

the whole code was wrriten with bash .

we used GitHub to cooperate with each other and we used discord to communicate also we met 2 times .

we used Procedural programming in this project and we dealt

with each task as a function , and we used a while loop to keep printing the list of tasks the program can do for the user (the user can choose which task he want to implement) , each time a user choose a task the program calls the function of that task .

there will be included a screenshot of each task results , screenshot of the input file and the code (in a seprate file) .

here is a link for the project on github :

https://github.com/faris771/LinuxProj1?fbclid=IwAR3-FAuZAUu6RDmCFa9KxbwgN4y6Mbf1vg_2BVRIsffo5MTNxVX_B1IJJiE

(its the master branch)

Screenshots :


```
10P1_1200546_Fa-
inputbsemester you want to add record YEAR-YEAR/SEM#
e.g: '2022-2023/1'
2024-2025/1
------------------------------------------------------
PLEASE INPUT NUMBER OF COURSES IN THIS SEMESTER:
4       a.py
PLEASE INPUT COURSE ID e.g 'ENCS3130'
ENCS3411
PLEASE INPUT COURSE MARK '60-99' OR 'F/FA/I'
99
PLEASE INPUT COURSE ID e.g 'ENCS3130'
ENAR2111
INVALID COURSE ID, ID SHOULD START WITH 'ENCS' OR 'ENEE' COURSE NUMBERS SHOULD BE BETWEEN 2000-5
999
TRY AGAIN, OR INPUT -1 TO QUIT
ENCS2311
PLEASE INPUT COURSE MARK '60-99' OR 'F/FA/I'
86
PLEASE INPUT COURSE ID e.g 'ENCS3130'
ENEE2711
PLEASE INPUT COURSE MARK '60-99' OR 'F/FA/I'
F
PLEASE INPUT COURSE ID e.g 'ENCS3130'
ENCS2811
PLEASE INPUT COURSE MARK '60-99' OR 'F/FA/I'
77
SEMESTER ADDED SUCCESSFULLY
```

```
8
7
```

```
2
input semester you want to print its record YEAR-YEAR/SEM#
e.g: '2021-2022/1'
2021-2022/1
------------------------------------------------------
2021-2022/1; ENCS2110 FA, ENCS4820 80, ENCS4821 F, ENCS4822 I
------------------------------------------------------
```

```
--------------------------------------------------
9
number of labs taken in all semesters 1
--------------------------------------------------
6
the percentage of total passed hours in relation to total F and FA 2.16
--------------------------------------------------
1
Year/Semester; List of taken cources with grades separated by comma
2021-2022/1; ENCS2110 FA, ENCS4820 80, ENCS4821 F, ENCS4822 I
2021-2022/2; ENCS2110 FA, ENCS4820 80, ENCS4821 F, ENCS4822 I
2021-2022/3; ENEE2311 F, ENCS2911 88, ENEE2999 77
--------------------------------------------------
5
total passed hours: 26
--------------------------------------------------
7
2021-2022/1; ENCS2110 FA, ENCS4820 80, ENCS4821 F, ENCS4822 I
Credit hours in this semester:
25
--------------------------------------------------
2021-2022/2; ENCS2110 FA, ENCS4820 80, ENCS4821 F, ENCS4822 I
Credit hours in this semester:
25
--------------------------------------------------
2021-2022/3; ENEE2311 F, ENCS2911 88, ENEE2999 77
Credit hours in this semester:
21
--------------------------------------------------
4
input semester you want to print its record YEAR-YEAR/SEM#
e.g: '2021-2022/1'
2021-2022/1
--------------------------------------------------
2021-2022/1; ENCS2110 FA, ENCS4820 80, ENCS4821 F, ENCS4822 I
66.47
```

```
----------------------------------------------------
3
73.15
```

```
hp@hp-HP-Notebook:~/Desktop/studyingCareer/2ndYear-2nd/ENCS3130_M/Projects
/Proj1$ bash studentRecord.sh
----------------------------------------------------
WELCOME!
----------------------------------------------------
PLEASE INPUT FILE NAME YOU WANT TO READ OR PRESS -1 TO EXIT
student.txt
----------------------------------------------------
1. Show or print student records (all semesters).
2. Show or print student records for a specific semester.
3. Show or print the overall average.
4. Show or print the average for every semester.
5. Show or print the total number of passed hours.
6. Show or print the percentage of total passed hours in relation to total
 F and FA hours.
7. Show or print the total number of hours taken for every semester.
8. Show or print the total number of courses taken.
9. Show or print the total number of labs taken.
10. Insert the new semester record.
11. Change in course grade.
12. EXIT
----------------------------------------------------
```

```
--------------------------------------------------
11
PLEASE INPUT THE COURSE YOU WANT TO CHANGE ITS MARK
ENCS4820
PLEASE INPUT THE SEMESTER
2021-2022/2
INPUT NEW MARK
88
CHANGED SUCCESSFULLY
```