Bano Qabil Final Project

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Course

ICT and Python Programming

Submitted to

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Introduction:

This program is based on python language consist of three parts based on basic commands. Program can be named as **STUDENT TEACHER MONTHLY REPORT**. The brief working of the program is defined as follows:

Working:

As the program is based on three parts

1. Student Database
2. Teacher Database
3. Final code or Analysis of Database

1. Student Database:

This part of a program or this code is responsible for creating student's database for analysis in specific location of a computer. It takes the name, age, gender, attendance percentage, marks of student in different subjects like Urdu, English, Math, Biology and Chemistry as input from user. By providing three choices, after every entry user can choose either enter another student or view the previous entries or exit the program. It'll

run and takes input one after another until and unless user choose to exit the program. this all data will be saved in the provided location in text file format.

2. Teacher Database:

This part of a program or this code is responsible for creating teacher's database for analysis in specific location of a computer. It takes the name, age, gender, post of teacher and salary as input from user. By providing three choices, after every entry user can choose either enter another teacher or view the previous entries or exit the program. It'll run and takes input one after another until and unless user choose to exit the program. this all data will be saved in the provided location in text file format.

3. Final code or Analysis of Database:

This is the main part of a program which takes the data from both databases and use that data according to the command of user. Working of this code is'nt very complex. At start it give choices to user either show the all teachers data or all the students data or exit the program. if the user selects the teacher's database to view it'll further proceed to more choices like number of male and female staff or fianace according to all their salaries. It also gives the option to go back to previous choices. In student database it'll provide the number of male and female students among all entries. With the selection of EXIT program will be terminated.

Advantages:

This code is designed in such a way that with the wrong choice instead of terminating the program, it'll show the msg to Try Again. Lower case and upper case letters are count as different variables in python but in this program if the user enters gender in upper case or lower case (Male, male, MALE, MaLe…) it doesn't effect the code to count the number of male and female entries.

Result:

Program is working perfect, and respond upon all the users choices correctly.