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**School Management System Project On File Handling**

1. **Aims of the Project:**

* Save all details of the School regarding management.
* Male Faculty, Female Faculty, and Lower Staff of the School his/her details regarding Name, Courses tech, Salary, and save all details until we put another data and also display it on console screen.
* All details Faculty and Lower staff can see regarding Courses learn, see salary details, and Work that they do respectively.

1. **Objectives and Learning Outcomes:**

At the end of this project students should: -

* Be able to make any project on file handling.
* Be able to use file handling in any project.
* Be able to learn the concepts of file handling.
* Be able to make simple projects and display all the data of the project on the console screen.
* Be able to save any data of the School, University, and Organization etc.

1. **Introduction of the Project:**

* This project I have done on the School management System. This project consists of Male Faculty, Female Faculty and Lower staff of the School. In this project any employ of the school can see his details about the following things:
* Faculty:- Can see his/her id code, level, status, details about the subjects that they teach, how much money they will receive from school of any subject, see his all salary, transits his/her salary, and this project will show his how much your salary is remaining and in last print all details on the console screen.
* Lower Staff: - Can see his/her data regarding id code, status, how many works he did on daily basis, money of each work, how much they will receive money per month, and in the end show all details on the console screen.
* This project has been done through the file handling and through this project we can save the data of all employees of any organization and also any time we can see that data. In this project many concepts of Object-oriented programming have been used. Through all these concepts I have done this project which is useful not only for the school management system but also for any of the organizations through small changes of the data. This project will help those who have not any knowledge about the file handling, and very simple code of the file handling has been used here to read and write the details of the txt file and also display it on the console screen.
* There are many advantages of this project like this if any employ of the school want to join or to see their details of many things.[Their one subject fee, teach which subjects, and see their salary, and will enter the transits amount and this project will also tell them about the remaining amount of in their account].
* This project has another advantage that is if any freshmen will apply for work in school at any status that will send a message to the higher management of the school.
* After studying this project the learner will get knowledge about the object-oriented programming simple concepts that will help the learner to make any project through file handling or through simple input output data.
* In this project simple concepts of inheritance of any other basics of the object-oriented programming in java through very simple code practice. If any interested will study this he/she will get much knowledge about the input output data through the console screen and can save his/her data through simple file handling code.
* After completing this project the learner will be able to project yourself through basic concepts of object-oriented programming in java in file handling.
* This project will cover all the simple concepts of java and object-oriented programming in java. T
* This project I made for the management of the school to check all the details for faculty and lower staff of the school and details, subjects tech, each subject fee will receive from school, collect his salary and will transit salary and the remaining amount will be secure in their account of every faculty member and lower staff of the school.

1. **Conclusion of the Project:**

The project school management system designed to help the management of the school to check the details of all the employees of the school that are currently working there. Before this project they have to manage through the registers and that will consume more time to check the details. After this project the management of the school will easily check the details of every person in an easy way at any time anywhere. In addition to school management this will be helpful for the learners of object-oriented programming in java because this project covered all the simple concepts of object-oriented programming in java. After studying this project the learner can make a simple project yourself through file handling or simple input output data through the console screen. In this project I have defined four classes which are Male-Faculty, Female-faculty and Lower Staff of the school and last Main class of the file handling which save all details and will show at any time we want. The details of each class is given bellow:

1. Male-Faculty: In Male-Faculty I have defined some methods like (tech) with shows that how many subjects male teacher teach, (pay tutor) which shows that how much teacher will get fee of every subject, (view salary) which shows that how much amount school have to pay to the teacher which teaches the subject and last one (toString) which display all the given data through the console screen and save it for next time.
2. Female-Faculty: In Female-Faculty I have also defined some methods like (tech) with shows that how many subjects male teacher teach, (pay tutor) which shows that how much teacher will get fee of every subject, (view salary) which shows that how much amount school have to pay to the teacher which teaches the subject and last one (toString) which display all the given data through the console screen and save it for next time. The last one is….…
3. Lower-Staff: In Lower-Staff I have defined some methods like Male-Faculty and Female-Faculty which will show all the details regarding to Lower-Staff employ like details about his/her work, salary, and each work salary and in last display all details on the console screen and save it for next time when we need it.
4. The Main Class: In the Main class I have called all the methods which I have defined in above classes through the file handling and we will read and write the txt file through the file handling and save details for the next time when we want. In Main class I have also used if else conditions to read or write the data of which class which we want.

In this project very simple concepts of object-oriented programming were used with simple code. Learners will get much knowledge from this project after studying it. This project is very helpful for those who want to learn java basic concepts, object-oriented programming and object-oriented programming in java with simple code practice. The main purpose of making this project is to reduce wastage of time to write any data on registers and after some time they may destroy or misplace from one place to another. With the help of this project management of the school can save data for hundreds of thousands of years and check details when they want. In this project very simple as well as tough concepts are included for the learner’s knowledge. This project will helpful for all the learner’s because in this project very simple concepts of file handling are included, through the file handling the user can save the details which he will write and can save for the next time. The main purpose of this project is to study the small concepts of object-oriented programming in java and all other concepts which are related to the file handling.