

This algorithm I use in my project*

1.Start

2.Choose the file where I save my program

3.use a class Employee all the things collection I want to write it into the file.

4.so I'm just declaring here variable that is integer employee number, String employee name and each and every.

5.employee has a salary so I am declaring here variable salary now this employee class having the constructor parameterized constructor to get input from user int employee no, String employee name, salary.

6.override two string method to display the details of the employee write her public stream to string and here written the instance variable employee name ,no and salary detail.

7.create a new class Employee Demo and here declare main method and write a simple variable integer choice = -1 here write do while and run this particular loop choice not=0 and I want to do one for insert into the file .

8.Display from file so first implements the two method 1-insert,2-display,0-exit system .out. print ask the user enter your choice simply import the package java .util. star using class scanner to get input from the user so I use scanner s= new scanner system.in the scanner get integer one by one if user does not press 0 it will run this particular when you run this you get three option. 1,2,3 if you press 0 get to exit.

8.switch case you can pass the particular choice it is case 1.i want data from user simply employee number we can get employee no from the user integer and String both you deal creating two instance one s-integer and 2-string.

9. new scanner and here you can pass a system dot initialized with the input stream that is the scanner now using that you can the functions dot next integer so it will get one by one input from the user and until and unless user does not press zero it will run this particular code you can save this you can compile this code that is java c crude demo file dot java and you can run this java employee demo whenever you run this you will get the three option one two and zero one two and if you press 0 you will be exit from this particular code now if it is a one option then I want to get the data from the user and then I want to write that particular data demo into file.

So here you can do what you can write the switch case that is a switch and can pass your choice if it is a case one then I want to get the data from the user and that is enter the employee number employee name and salary so here we can simply write the message over here and that is what enter employee number so we can get the employee number from the user I recommend you that whenever you are dealing with the number and string both then create the two different instance of scanner or you can go for buffered reader so here I am creating the two instance one s that is for the integer and this s one that is for the string so here we can say that that is integer employee number is equal to and write s dot next integer now I want to get the employee number name and salary so you can say that this is the enter employee name and whenever you are getting the name you need to write here next line and here you can write so1 dot next line and here you can say that string employee name now I want to get the salary so I'm writing here enter employee salary and here you can say that this is integer salary is equal to s dot next integer now I want to write this data so first we need to create the collection that is array list and this is the collection of employee array list al is equal to and here you can write that new array list you can write new array list this is the collection of employee so error list

that is the array collection is created now I want to store this information that is employee number name and salary into collection so we can simply write here one simple function and that is `addEmployee()` so what it will do it will add this particular data into a collection if you call the constructor of employee so you can write your new employee and you can pass your employee number employee name and salary so what happened you can get the input from the user and that will be added to your array list but I want to ask to the user that enter how many employee you want so here you can write `System.out.println` and here you can say that enter how many employee you want suppose if user says that I want the 10 employee then I want to initialize that so I'm just writing here `int n = 0` so if you say that sir I want the 10 records then I want to run this particular loop 10 times so I'm just writing here `while (n < 10) { ... }` so what this `n` is this salary now whenever user choose the option that is the case number two I want to display the content first right still the data is available in the collection not in a file so I want to first test the collection and then I want to write it to the file so I'm just writing here case 2 if it is a case 2 then I want to simply display the collection so I'm just displaying here that is array list so if it is a case 2 so you can simply write `break` over here so what I did whenever user choose the option case 1 I want to ask to the user how many employees you want if user says that I want the three employee then three time my this loop will run and three record will be added to my collection that is a collection you can test your code you can save this you can compile your code `crudedemo.js` and you can run this employee demo now I want to insert the data so let me insert the data for example one how many employees you want I want three employees employee 101 employee name for example salary 20000 employee 102 employee name is couple salary for example 25000. Employee 103 name of the person is devin and the salary is for example 30000 now you can display the content three records are displayed perfectly so this is my

collection we can say that the collection is displayed perfectly over here but I want to do what see here whenever you press 0 over here and whenever you rerun this particular code and if you display the content the data will not be displayed the collections store the data only during the execution so whenever I have the data in a collection I want to write this collection into the file so how we can do this very simple for that you need the object for object output strip and using object output stream we can write the object into the file so I'm here a variable that is object output stream and here you can pass the instance of file output stream so you can write new file output stream and here we need to pass the instance of file so I'm creating here one file that is file equal to new file and the name of my file is employee.txt so here we can pass the object file over here so what happen this so object is created over here which you can say that