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JUNIOR SOFTWARE TRAINEE

EAGLE TECH IT SOLUTIONS

PROJECT-1

- I was choose the **contact book application** project because of It seems like really intresting to me that's why I choose this project.
 - ❖ In this project I only use two String array.
 - ❖ The logic for this programme is really simple.
 - ❖ The program allows users to create a list of contacts with names and phone numbers and then search for a contact's phone number by entering their name.
 - ❖ If search name matches to the stored name it gives contact number.

CODE FOR CONTACT BOOK APPLICATION

```
import java.util.Scanner;

public class proar {

public static void main(String[]args){

//user input

Scanner n=new Scanner(System.in);

System.out.println("enter the limit:");

int limit=n.nextInt();

n.nextLine();

//String array

String[]a=new String[limit];

String[]b=new String[limit];

System.out.println("enter the name:");
```

```
for(int i=0;i<limit;i++){
    a[i]=n.nextLine();
}
System.out.println("enter the mobile number:");
for(int i=0;i<b.length;i++){
    b[i]=n.nextLine();
}
//search name
System.out.println("search the name:");
String s=n.nextLine();
int count=1;
for(int i=0;i<a.length;i++){
    if(s.equalsIgnoreCase(a[i])){
        System.out.print("The mobile number is: "+b[i]);
        count++;
    }
}
if(count!=2){
    System.out.println("the number is not available");
}
}
```

CODE EXPLANATION:

- First line is a Scanner object named **n** is created to read input from the console.
- The first task is Get the **limit integer value** from the user.
- After getting the value from the user creating two String array named respectively **a** and **b**.
- Using these two array we add the **names in one String array named a** and also **add the mobile numbers in another array named b**.
- Using for loop we store names and mobile numbers in the respective arrays.
- After that one more time we get user input for search the name.
- Search Logic:It iterates through the a array(names)and checks if the entered name matches any name stored in the array.
- If a match is found it prints the corresponding mobile number from the b array.it uses equalsIgnoreCase method to perform a case in sensitive comparison.
- A count variable is used to count the number of matches found.if no match is found(count remains 1),it indicates that the name entered for search is not available in the records.
- Depending on the value of count it prints either the mobile number corresponding to the searched name or a message indicating that the name is not available.