

```

import java.util.*;
public class Module1_Solution {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Please Enter Your Name:");
        String name=sc.nextLine();
        System.out.println("Welcome "+name);
        System.out.println("Enter the No. of Tasks(Enter Atleast 5 Tasks)");
        int n=sc.nextInt();
        sc.nextLine();
        String[] Tasks=new String[n];
        if(n>=5){
            for(int i=0;i<n;i++){
                Tasks[i]=sc.nextLine();
            }
        }
        else{
            System.out.println("Atleast 5 Tasks are required");
        }

        int ch=0;
        do{
            System.out.println("__MENU__");
            System.out.println("1.Ascending Order of Tasks:");
            System.out.println("2.Decending Order of Tasks:");
            System.out.println("3.Repeated Tasks:");
            System.out.println("4.View Tasks:");
            System.out.println("5.Exit:");
            System.out.println("Enter your choice:");
            ch=sc.nextInt();
            switch(ch)
            {
                case 1:System.out.println("Tasks In Ascending Order:");
                    Arrays.sort(Tasks);
                    for (String j : Tasks) {
                        System.out.println(j);
                    }
                    break;
                case 2:System.out.println("Tasks In Decending Order:");
                    Arrays.sort(Tasks,Collections.reverseOrder());
                    for (String i : Tasks) {
                        System.out.println(i);
                    }

                    break;
                case 3:System.out.println("Repeated Tasks:");
                    List<String> list=Arrays.asList(Tasks);
                    Set<String> set=new HashSet<String>(list);

```

```

        int strArrayLength=Tasks.length;
        int setSize=set.size();
        if(strArrayLength>=setSize){
            System.out.println("Duplicate element/objects"
                + " present in original String Arrays");
        }
        else{
            System.out.println("There are NO duplicates"
                + " in original String Arrays");
        }
        break;
        case 4: System.out.println("View tasks:");
        for (String i : Tasks) {
            System.out.println(i);
        }
        break;
        case 5: System.out.println("Exit");
        break;
        default: System.out.println("Wrong choice");

    }

}

while(ch!=5);

}

}

```

PS C:\Users\HP> & 'C:\Program Files\Java\jdk-17.0.2\bin\java.exe' '-  
 XX:+ShowCodeDetailsInExceptionMessages' '-cp'  
 'C:\Users\HP\AppData\Local\Temp\vscodesws\_83fad\jdt\_ws\jdt.ls-java-project\bin'  
 'Module1\_Solution'

Please Enter Your Name:

Durgaprasad Meesala

Welcome Durgaprasad Meesala

Enter the No. of Tasks(Enter Atleast 5 Tasks)

5

wakeup

breakfast

exercise

completemodules

practicecoding

\_\_MENU\_\_

1.Ascending Order of Tasks:

2.Decending Order of Tasks:

3.Repeated Tasks:

4.View Tasks:

5.Exit:

Enter your choice:

1

Tasks In Ascending Order:

breakfast

completemodules

exercise

practicecoding

wakeup

\_\_MENU\_\_

1.Ascending Order of Tasks:

2.Decending Order of Tasks:

3.Repeated Tasks:

4.View Tasks:

5.Exit:

Enter your choice:

2

Tasks In Decending Order:

wakeup

practicecoding

exercise

completemodules

breakfast

\_\_MENU\_\_

1.Ascending Order of Tasks:

2.Decending Order of Tasks:

3.Repeated Tasks:

4.View Tasks:

5.Exit:

Enter your choice:

3

Repeated Tasks:

Duplicate element/objects present in original String Arrays

\_\_MENU\_\_

1.Ascending Order of Tasks:

2.Decending Order of Tasks:

3.Repeated Tasks:

4.View Tasks:

5.Exit:

Enter your choice:

4

View tasks:

wakeup

practicecoding

exercise

completemodules

breakfast

\_\_MENU\_\_

1.Ascending Order of Tasks:

2.Decending Order of Tasks:

3.Repeated Tasks:

4.View Tasks:

5.Exit:

Enter your choice:

5

Exit

PS C:\Users\HP>