ASSIGNMENT-7

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GROUP: -   **2**

Q.1. A student wants to take admission to MCA programme. But the student is confused about the selection of the university. So, he collected some information related to various advantages and scholarship schemes of different universities. After collecting information student wants to take a decision based on that.

Ans: -

```java
import java.util.*;

public class MCAUniversitySelection {

public static void main(String[] args) {

// create a HashMap to store the advantages and scholarship schemes of each university

Map<String, List<String>> universities = new HashMap<>();

universities.put("LPU", Arrays.asList(

"State-of-the-art infrastructure",

"Scholarship based on academic performance",

"Good placement record",

"Opportunities for international exposure"

));

universities.put("JAMIA", Arrays.asList(

"Experienced faculty",

"Placement assistance",

"Industry-academia interface",

"Modern labs and technology"

));
```

```java
universities.put("BHU", Arrays.asList(

"Affordable fees",

"Flexible curriculum",

"Conducive learning environment",

"Scholarships for economically weaker sections"

));

universities.put("DU", Arrays.asList(

"Industry-oriented courses",

"Internship opportunities",

"Expert guest lectures",

"State-of-the-art labs"

));


// display the advantages and scholarship schemes of each university

System.out.println("Advantages and Scholarship Schemes of Different
Universities for MCA Program:");

for (String university : universities.keySet()) {

System.out.println(university + ":");

List<String> advantages = universities.get(university);

for (String advantage : advantages) {

System.out.println("- " + advantage);

}

System.out.println();

}


// prompt the user to input their choice of university

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the name of the university you want to choose: ");

String choice = scanner.nextLine().toUpperCase();
```

```java
// check if the user's choice is valid and display the advantages and scholarship schemes of the chosen university

if (universities.containsKey(choice)) {

System.out.println("Advantages and Scholarship Schemes of " + choice + ":");

List<String> advantages = universities.get(choice);

for (String advantage : advantages) {

System.out.println("- " + advantage);

}

} else {

System.out.println("Invalid choice. Please choose one of the following universities: LPU, JAMIA, BHU, DU");

}

}

}
```

OUTPUT

```
PROBLEMS  17    OUTPUT    DEBUG CONSOLE    TERMINAL

Advantages and Scholarship Schemes of Different Universities for MCA Program:
LPU:
- State-of-the-art infrastructure
- Scholarship based on academic performance
- Good placement record
- Opportunities for international exposure

DU:
- Industry-oriented courses
- Internship opportunities
- Expert guest lectures
- State-of-the-art labs

BHU:
- Affordable fees
- Flexible curriculum
- Conducive learning environment
- Scholarships for economically weaker sections

JAMIA:
- Experienced faculty
- Placement assistance
- Industry-academia interface
- Modern labs and technology

Enter the name of the university you want to choose: DU
Advantages and Scholarship Schemes of DU:
- Industry-oriented courses
- Internship opportunities
- Expert guest lectures
- State-of-the-art labs
PS D:\VS CODE\JAVA PROGRAM\ASSIGNMENT>
```