Institute of Computer Technology

B. Tech. Computer Science and Engineering

Semester: III

Sub: Object-Oriented Programming

Course Code: 2CSE303

Practical Number:2

Objective:

To understand the concept of variable, identifier, datatypes, and program structure.

Q.1.Problem Definition:

Q.1. Assume, you are a Java Developer in a XYZ reputed company, and your team leader assigned one task, that you have to train Java Language to your junior from scratch. So, write an appropriate program to demonstrate your "Bio-data". [Note: Perform this program on pre-initialize value as well as on user input value, it means you have to create one bio data on pre-initialize value, and then you have to create another program, where you have to take person information from the user, and then have to print that all information in bio-data format.]

Code of Pre-Initialized Bio Data :

```java
public class PreInitializedBioData {
    public static void main(String[] args) {
        // Pre-initialize values
        String name = "Vishva Patel";
        String mobileNo = "1234567890";
        String emailID = "gmail12@gmail.com";
        String gender = "Male";
        String dob = "11-01-2006";
        String nationality = "Indian";
        String religion = "Hindu";
        String fatherName = "Rakeshkumar A. Patel";
        String motherName = "Deepa R. Patel";
        String languagesKnown = "Gujarati, Hindi, English ";
        String hobbies = "Coding, Traveling, Gaming";
        String address = "11, society Name ";

        String elementarySchool = "ABC School";
        String highSchool = "XYZ High School";
        String college = "Ganpat University";
        String otherCourses = "Cybersecurity";

        String companyName1 = "IBM";
        String position1 = "Developer";
```

```java
String position1 = "Developer";
String workPeriod1 = "2024-2025";

String companyName2 = "Google";
String position2 = "Software Developer";
String workPeriod2 = "2018-Present";

// Display the Bio Data
System.out.println("Bio Data:");
System.out.println("Name: " + name);
System.out.println("Mobile No: " + mobileNo);
System.out.println("Email ID: " + emailID);
System.out.println("Gender: " + gender);
System.out.println("Date of Birth: " + dob);
System.out.println("Nationality: " + nationality);
System.out.println("Religion: " + religion);
System.out.println("Father's Name: " + fatherName);
System.out.println("Mother's Name: " + motherName);
System.out.println("Languages Known: " + languagesKnown);
System.out.println("Hobbies: " + hobbies);
System.out.println("Address: " + address);
```

```java
        System.out.println("\nEducational Background:");
        System.out.println("Elementary School: " + elementarySchool);
        System.out.println("High School: " + highSchool);
        System.out.println("College: " + college);
        System.out.println("Other Courses: " + otherCourses);

        System.out.println("\nWork Experience:");
        System.out.println("Company Name 1: " + companyName1);
        System.out.println("Position 1: " + position1);
        System.out.println("Work Period 1: " + workPeriod1);

        System.out.println("Company Name 2: " + companyName2);
        System.out.println("Position 2: " + position2);
        System.out.println("Work Period 2: " + workPeriod2);
    }
}
```

Output :

```
Bio Data:
Name: Vishva Patel
Mobile No: 1234567890
Email ID: gmail12@gmail.com
Gender: Male
Date of Birth: 11-01-2006
Nationality: Indian
Religion: Hindu
Father's Name: Rakeshkumar A. Patel
Mother's Name: Deepa R. Patel
Languages Known: Gujarati, Hindi, English
Hobbies: Coding, Traveling, Gaming
Address: 11, society Name

Educational Background:
Elementary School: ABC School
High School: XYZ High School
College: Ganpat University
Other Courses: Cybersecurity

Work Experience:
Company Name 1: IBM
Position 1: Developer
Work Period 1: 2024-2025
Company Name 2: Google
Position 2: Software Developer
Work Period 2: 2018-Present
```

Code of Initialized Bio Data:

```java
import java.util.Scanner;

public class UserInputBioData {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // Collect user input
        System.out.println("Enter your Bio Data details:");

        System.out.print("Name: ");
        String name = scanner.nextLine();

        System.out.print("Mobile No: ");
        String mobileNo = scanner.nextLine();

        System.out.print("Email ID: ");
        String emailID = scanner.nextLine();

        System.out.print("Gender: ");
        String gender = scanner.nextLine();

        System.out.print("Date of Birth: ");
        String dob = scanner.nextLine();

        System.out.print("Nationality: ");
        String nationality = scanner.nextLine();

        System.out.print("Religion: ");
        String religion = scanner.nextLine();

        System.out.print("Father's Name: ");
        String fatherName = scanner.nextLine();
```

```java
System.out.print("Mother's Name: ");
String motherName = scanner.nextLine();

System.out.print("Languages Known: ");
String languagesKnown = scanner.nextLine();

System.out.print("Hobbies: ");
String hobbies = scanner.nextLine();

System.out.print("Address: ");
String address = scanner.nextLine();

System.out.print("\nEducational Background:\n");

System.out.print("Elementary School: ");
String elementarySchool = scanner.nextLine();

System.out.print("High School: ");
String highSchool = scanner.nextLine();

System.out.print("College: ");
String college = scanner.nextLine();

System.out.print("Other Courses: ");
String otherCourses = scanner.nextLine();

System.out.print("\nWork Experience:\n");

System.out.print("Company Name 1: ");
String companyName1 = scanner.nextLine();
```

```
System.out.print("Position 1: ");
String position1 = scanner.nextLine();

System.out.print("Work Period 1: ");
String workPeriod1 = scanner.nextLine();

System.out.print("Company Name 2: ");
String companyName2 = scanner.nextLine();

System.out.print("Position 2: ");
String position2 = scanner.nextLine();

System.out.print("Work Period 2: ");
String workPeriod2 = scanner.nextLine();

// Display the Bio Data
System.out.println("\nBio Data:");
System.out.println("Name: " + name);
System.out.println("Mobile No: " + mobileNo);
System.out.println("Email ID: " + emailID);
System.out.println("Gender: " + gender);
System.out.println("Date of Birth: " + dob);
System.out.println("Nationality: " + nationality);
System.out.println("Religion: " + religion);
System.out.println("Father's Name: " + fatherName);
System.out.println("Mother's Name: " + motherName);
System.out.println("Languages Known: " + languagesKnown);
System.out.println("Hobbies: " + hobbies);
System.out.println("Address: " + address);
```

```
        System.out.println("\nEducational Background:");
        System.out.println("Elementary School: " + elementarySchool);
        System.out.println("High School: " + highSchool);
        System.out.println("College: " + college);
        System.out.println("Other Courses: " + otherCourses);

        System.out.println("\nWork Experience:");
        System.out.println("Company Name 1: " + companyName1);
        System.out.println("Position 1: " + position1);
        System.out.println("Work Period 1: " + workPeriod1);

        System.out.println("Company Name 2: " + companyName2);
        System.out.println("Position 2: " + position2);
        System.out.println("Work Period 2: " + workPeriod2);
    }
}
```

Output:

```
Enter your Bio Data details:
Name: Vishva Patel
Mobile No: 1234567890
Email ID: gmail12@gmail.com
Gender: Male
Date of Birth: 11-01-2006
Nationality: Indian
Religion: Hindu
Father's Name: Rakeshkumar Patel
Mother's Name: Deepa Patel
Languages Known: Gujarati, Hindi, English
Hobbies: Coding, Travelling, Gaming
Address: 11, xyz address

Educational Background:
Elementary School:
ABC SchoolABC School
High School: XYZ high school
College: Ganpat University
Other Courses:

Work Experience:
Company Name 1: IBM
Position 1: Software Developer
Work Period 1: 2022-2023
Company Name 2: Google
Position 2: Cyber Security Analyst
Work Period 2:
2024-Present2024-Present
```

```
Bio Data:
Name: Vishva Patel
Mobile No: 1234567890
Email ID: gmail12@gmail.com
Gender: Male
Date of Birth: 11-01-2006
Nationality: Indian
Religion: Hindu
Father's Name: Rakeshkumar Patel
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Other Courses:

Work Experience:
Company Name 1: IBM
Position 1: Software Developer
Work Period 1: 2022-2023
Company Name 2: Google
Position 2: Cyber Security Analyst
Work Period 2: 2024-Present
```