	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 1	**(50)** **Q1.Print different patterns of asterisk (*) using loops (e.g. triangle of *). (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**
	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 2	**(50)** **Q1. Build a class Employee which contains details about the employee and compile and run its instance. (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**
	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 3	**(50)** **Q1. Write a Java program to create a Book class with attributes title, author, and price. Define a parameterized constructor to initialize these attributes. Create two objects of the class and display their details. (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**

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Experiment 4		**(50)**
	Q1.Create a class Employee and encapsulate the data members.	**(15)**
	Q2 . Execution	**(15)**
	Q3.Writeup	**(10)**
	Q4.Journal Submission	**(10)**

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Experiment 5	**(50)** **Q1.Print default values of static & instance variables for different data types. (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**
	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 6	**(50)** **Q1. Create sample classes to understand boxing & unboxing. (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**
	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 7	**(50)** **Q1. Create demo applications to illustrate different types of inheritance. (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**
	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 8	**(50)** **Q1. To implement multilevel inheritance in Java using different packages (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**

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Experiment 9	**(50)** **Q1. Create an Array of Employee class and initialize array elements with different employee objects. (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**
	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 10	**(50)** **Q1. Create a demo application to understand the role of access modifiers (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10)**
	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 11	**(50)** **Q1. Design a vehicle class hierarchy in Java, and develop a program to demonstrate Polymorphism. (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10).**
	JSPM University Pune **Faculty of Science and Technology** **School of Computational Sciences** **Course Name:** OOP Using java **Course code:** 230GCSB72_03
Experiment 12	**(50)** **Q1. Create and demonstrate user-defined checked and unchecked exceptions in Java. (15)** **Q2 . Execution (15)** **Q3.Writeup (10)** **Q4.Journal Submission (10).**