SAP Id: 500091584 Course: CSE DevOps (Hons.)
Roll No: R2142210822 Program & Sem: B.tech & 3rd

Name: Ujjwal Kumar Gupta Session : 2021-25

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Experiment No.	Title	Date of Performance	Date of Submission	Remarks (By Faculty)
	Experiment No.	Experiment No. Title	Experiment No. Title Date of Performance	Experiment No. Title Date of Performance Submission

Note: 1. Submit your original work otherwise you will lose marks.

- 2. Submit all your experiments into a single file
- 3. The submission must be properly compiled and in provided format only

Experiment No. _5___

Date of performance: 21/09/2022

Date of Submission: 21/09/2022

SAP Id: 500091584

Roll No.: R2142210822

Name of the Student: Ujjwal Kumar Gupta

1. Title: Interface

2. Objective: Interface

3. List of lab activities:

- Write a program to create interface named test. In this interface the member function is square. Implement
 this interface in arithmetic class. Create one new class called ToTestInt. In this class usethe object of
 arithmetic class.
- 2) Write a program to create interface A, in this interface we have two method meth1 and meth2.Implements this interface in another class named MyClass.
- Write a program in Java to show the usefulness of Interfaces as a place to keep constant value of the program
- 4) Write a program to create an Interface having two methods division and modules. Create a class, which overrides these methods.

4. Algorithm/Flowchart and Code followed by Output screenshot (2samples for each program):

```
t }
TSA of cylinder: 348.2504
volume of cylinder: 1718.5348
TSA of the cone: 388.85764
volume of the cone: 31.005453
PS C:\Users\Ujjmal\Documents\starting\src\Experiment 5>
```

5. Brief notes about all the concepts related to the lab experiment

An interface in Java is a blueprint of a class. It has static constants and abstract methods.

The interface in Java is a mechanism to achieve abstraction.

```
interface <interface_name>{
    // declare constant fields
    // declare methods that abstract
    // by default.
}
```