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| *A close up of a logo  Description automatically generated* | *DEPARTMENT OF COMPUTER ENGINEERING* |

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| Semester | S.E. Semester III – Computer Engineering |
| Subject | Object Oriented Programming Using Java (Skill Based Lab) |
| Subject Professor In-charge | Prof. Indu Anoop |
| Laboratory | Online Lab |

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| Student Name | Trisha Shah | |
| Roll Number | 20102A0004 | |
| Grade and Subject Teacher’s Signature |  |  |

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| Experiment | 9 | |
| Problem Statement | To demonstrate types Multiple Inheritance | |
| Resources / Apparatus Required | Hardware: Computer System | Software: jdk 1.8, Eclipse / Notepad++/IntelliJ IDEA |
| Details | Multiple Inheritance:-  Multiple Inheritance is a feature of an object-oriented concept, where a class can inherit properties of more than one parent class. The problem occurs when there exist methods with the same signature in both the superclasses and subclass. On calling the method, the compiler cannot determine which class method to be called and even on calling which class method gets the priority. | |
| Code | interface AnimalEat {  void eat();  }  interface AnimalTravel {  void travel();  }  class Animal implements AnimalEat,AnimalTravel {  public void eat() {  System.out.println("Animal is eating");  }    public void travel() {  System.out.println("Animal is travelling");  }    }  public class MultipleInheritaceDemoUsingInterfaces {  public static void main(String args[]) {  Animal a = new Animal();  a.eat();  a.travel();  }  } | |
| Output |  | |
| Conclusion | Thus, students could successfully demonstrate multiple inheritance. | |