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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 | 8B | |
| Problem Statement | WAP to demonstrate Types of Inheritance | |
| Resources / Apparatus Required | Hardware: Computer System | Software: jdk 1.8, Eclipse / Notepad++/IntelliJ IDEA |
| Details | When there is a chain of inheritance, it is known as multilevel inheritance. As you can see in the example given below, BabyDog class inherits the Dog class which again inherits the Animal class, so there is a multilevel inheritance. | |
| Code | class Animal {  void eat(){  System.out.println("eating...");  }  }  class Dog extends Animal {  void bark(){  System.out.println("barking...");  }  }  class BabyDog extends Dog {  void weep(){  System.out.println("weeping...");  }  }  class TestMultiLevelInheritance {  public static void main(String args[]) {  BabyDog d=new BabyDog();  d.weep();  d.bark();  d.eat();  }  } | |
| Output |  | |
| Conclusion | The students were able to successfully demonstrate Multiple Inheritance in the program. | |