

Don Bosco Institute of Technology, Kurla(W)
Department of Electronics and Tele-Communication Engineering
ECL304 - Skill Lab: C++ and Java Programming
Sem III
2021-22

Lab Number:	10
Student Name:	Nimesh Shashikant Ambre
Roll No :	17

Title:

1. Write a java program to implement Multiple Inheritance using Interfaces. Create an interface called Management with selectCandidate() method. Another interface called Department with allotSubject() method. Class called HOD will implements these two interfaces and define the methods and access them with valid objects.

Learning Objective:

Students will be able to implement multiple inheritance using Interface concepts

Learning Outcome:

- Understanding the abstraction concept and hiding of the unnecessary code using interfaces.

Course Outcome:

ECL304.4	1. Implement different programming applications using packaging.
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Theory:

- What is complete abstraction and how is it achieved in JAVA?
- Explain multiple abstraction and how is it performed in Java?

Algorithm :	<ol style="list-style-type: none">1. Start2. Create interface - Management and declare select candidate() in it3. Create interface - Department and declare allotsubject() in it4. Create a class HOD to inherit interface management and department and to take input of details5. Create the object of the HOD class in main function and call the methods.6. Print the result7. End
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Faculty: Ms. Deepali Kayande

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Program:	<pre>package com.company; import java.util.*; interface Management { void selectCandidate(); } interface Department { void allotSubject(); } class HOD implements Department, Management { String Candidate; String Subject; void getdata() { Scanner in=new Scanner(System.in); System.out.println("Enter Candidate name:"); Candidate=in.next(); System.out.println("Enter Subject:"); Subject=in.next(); } public void selectCandidate() { System.out.println("Candidate Name : "+Candidate); } public void allotSubject() { System.out.println("Subject Alloted : "+Subject); } } class Main { public static void main (String[] args) { HOD ob = new HOD(); ob.getdata(); ob.selectCandidate(); ob.allotSubject(); } }</pre>
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Input given:	Candinate Name:- Omkar Subject:- Maths
Output Screenshot:	

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