

## COLLEGE OF ENGINEERING AND ARCHITECTURE ACADEMIC YEAR 2022-2023 FALL SEMESTER

**COURSE: CIS 104** 

## Lab 7 INHERITANCE

Consider the above UML and read the following description.

Student	
- name: String	
- Id: string	
- totalMarks: int	
+ Student()	
+ Student(string name, String Id, int to	otalMarks)
+ setName(string name)	
+setId(String Id)	
+ setTotalMarks(int totalMarks )	
+ getName(): String	
+ getId(): String	
+ gettotalMarks(): int	
+ display()	
+ toString(): String	
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undergradStud	postGradSt

## - coop:boolean + undergradStud () + undergradStud (String nn, String ii, int tm, boolean co) + setCoop(boolean coop) + getCoop(): boolean + display() + toString(): String

+ computeGrade()

## - teaching: boolean + postGradStud () + postGradStud (String nn, int aa, char gg, double ws) + setteaching(boolean tt ) + getTeaching(): boolean + display() + toString(): String + computeGrade()

- 1. Write in Java the classes: Student, undergradStud and postGradStud.
- 2. Write a main method to test your methods.

<u>Method ComputeGrade():</u> for undergradraduate student: if totalMarks >=60 Pass for postgraduate student: if totalMarks >=70 Pass otherwise fail