

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

COURSE: CIS 104

Lab 6 INHERITANCE

Consider the above UML and read the following description.

	Employee
-	name: String
-	age: int
_	gender: char
+	Employee()
+	Employee(string name, int age, char gender)
+	setName(string name)
+5	setAge(int age): int
+	setGender(char gender)
+	getName(): String
+	getAge(): int
+	getGender(): char
+	display()
+	toString(): String
	Д

PartTimeEmployee

- nbh: int
- rate: double

- + PartTimeEmployee()
- + PartTimeEmployee(String nn, int aa, char gg, int nbb, double rr)
- + setNbh(int nbh)
- + setRate(double rr)
- + getNbh(): int
- + getRate(): double
- + display()
- + toString(): String
- + computeSalary(): double

FullTimeEmployee

- Weeklysalary: double
- + FullTimeEmployee ()
- + FullTimeEmployee (String nn, int
- aa, char gg, double ws)
- + setWeeklySalary(double sal)
- + getWeeklysalary(): double
- + display()
- + toString(): String
- + computeSalary(): double
- 1. Write in Java the classes: *Employee*, *PartTimeEmployee* and *FullTimeEmployee*.
- 2. Write a main method to test your methods.