

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Science and Technology (FST)

Department of Computer Science (CS)

Object Oriented Programming 1

MidTerm Lab Task-1

Develop Classes in Java with the following attributes. Write all the setters and getters for the attributes. The Classes also have a method showInfo that displays all the information of a Class. Write a main method to create one or more object of the class and illustrate the usage of all the other methods.

Note: Student **must** follow the exact name of class, member variables, and functions. And students **should** use fully qualified names for these, as well **camel notions**. And the **syntax alignment** has to be as it should be.

Human	String name String color double height double weight double age String dateOfBirth	Member variables declare private
	2 Constructor (Empty, valued)	
	showInfo	
	Setter Methods	Example: setName(String name) String getName()
	Getter Methods	
Cat	String name String color double height double weight	Member variables declare private
	2 Constructor (Empty, valued)	
	showInfo	
	Setter Methods & Getter Methods	
Dog	String name String color double height double weight	Member variables declare private
	2 Constructor (Empty, valued)	
	showInfo	
	Setter Methods & Getter Methods	

Duck	String name String color double height double weight	Member variables declare private
	2 Constructor (Empty, valued)	
	showInfo	
	Setter Methods	Example: setName(String name) String getName()
	Getter Methods	
Car	String name String color String model double yearOfUse String ownerName	Member variables declare private
	2 Constructor (Empty, valued)	
	showInfo	
Building	String name String address double size String ownerName String engineerName String permitNo String licenseNo	Member variables declare private
	2 Constructor (Empty, valued)	
	showInfo	

Good Luck!