

Nicholas Rahbany

UML Class Diagram
+ UnderGraduateStudent
+ <u>UnderGraduateStudent</u> (String, String, String, String, Date, char)
+ <u>toString</u> (): String

Legend
+ Public
- Private
Package
# Protected

Data Table - UnderGraduateStudent		
Variable	Type	Description
name	String	Name of Undergraduate Student
address	String	Address of Undergraduate Student
phoneNumber	String	Phone Number of Undergraduate Student
emailAddress	String	Email Address of Undergraduate Student
birthDate	Date	Birthday of Undergraduate Student
status	char	Status of Undergraduate Student

Data Table - toString
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UML Class Diagram
+ GraduateStudent
+ <u>GraduateStudent</u> (String, String, String, String, Date, char, char)
+ <u>setAssistantshipType</u> (char): void
+ <u>getAssistantshipType</u> (): char
+ <u>toString</u> (): String

Legend
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Package
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Data Table - GraduateStudent		
Variable	Type	Description
name	String	Name of Graduate Student
address	String	Address of Graduate Student
phoneNumber	String	Phone Number of Graduate Student
emailAddress	String	Email Address of Graduate Student
birthDate	Date	Birthday of Graduate Student
status	char	Status of Graduate Student

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UML Class Diagram	
+ Faculty	
+ <u>Faculty</u> (String, String, String, String, String, double, Date, String, String)	
+ <u>setOfficeHours</u> (String): void	
+ <u>getOfficeHours</u> (): String	
+ <u>toString</u> (): String	

Legend
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Data Table - Faculty		
Variable	Type	Description
name	String	Name of Faculty Member
address	String	Address of Faculty Member
phoneNumber	String	Phone Number of Faculty Member
emailAddress	String	Email Address of Faculty Member
office	String	Office of Faculty Member
salary	Double	Salary of Faculty Member

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UML Class Diagram
+ Staff
+ <u>Staff</u> (String, String, String, String, String, String, Double, Date, String)
+ <u>setOfficeHours</u> (String): void
+ <u>getOfficeHours</u> (): String
+ <u>toString</u> (): String

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Data Table - Staff		
Variable	Type	Description
name	String	Name of Staff Member
address	String	Address of Staff Member
phoneNumber	String	Phone Number of Staff Member
emailAddress	String	Email Address of Staff Member
office	String	Office of Staff Member
salary	Double	Salary of Staff Member

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UML Class Diagram
+ Employee
+ <u>Employee</u> (String, String, String, String, String, double, Date,
+ <u>setOffice</u> (String): void
+ <u>setSalary</u> (Double): void
+ <u>setTitle</u> (String): void
+ <u>setHiringDate</u> (Date): void
+ <u>getOffice</u> (): String
+ <u>getSalary</u> (): Double
+ <u>getTitle</u> (): String
+ <u>getHiringDate</u> (): Date
+ <u>toString</u> (): String

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Data Table - Employee		
Variable	Type	Description

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UML Class Diagram
+ Student
+ <u>Student</u> (String, String, String, String, Date, char)
+ <u>setBirthDate</u> (String): void
+ <u>setStatus</u> (Double): void
+ <u>getBirthDate</u> (): Date
+ <u>getStatus</u> (): char
+ <u>getFullDate</u> (Date): String
+ <u>toString</u> (): String

Legend
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Data Table - Student		
Variable	Type	Description
birthDate	Date	Birthday for Student
status	char	Status for Student

UML Class Diagram
+ Driver
+ <u>main</u> ([] args): void
- <u>getDateObject</u> (String): Date
- <u>sortByName</u> (Person []): void
- <u>sortByDate</u> (Person []): void
- <u>sortBySalary</u> (Person []): void
- <u>sortByAddress</u> (Person []): void

Legend
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Data Table - Driver		
Variable	Type	Description
inputFile	Static File	Input File
outputFile	Static File	Output File
read	Scanner	Scanner for Project
write	PrintStream	The print statement

UML Class Diagram
+ Date
+ <u>Date</u> (int, int, int)
+ <u>setMonth</u> (int): void
+ <u>setDay</u> (int): void
+ <u>setYear</u> (int): void
+ <u>setDate</u> (): void
+ <u>getMonth</u> (): int
+ <u>getDay</u> (): int
+ <u>getYear</u> (): int
+ <u>getDate</u> (): String
+ <u>compareTo</u> (Date): int

Legend
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Package
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Data Table - Date Class		
Variable	Type	Description



UML Class Diagram
+ Person
+ <u>Person</u> (String, String, String, String)
+ <u>setName</u> (String): void
+ <u>setAddress</u> (String): void
+ <u>setPhoneNumber</u> (String): void
+ <u>setEmailAddress</u> (String): void
+ <u>getName</u> (): String
+ <u>getAddress</u> (): String
+ <u>getPhoneNumber</u> (): String
+ <u>getEmailAddress</u> (): String
+ <u>toString</u> (): String

Legend
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Data Table - Person Class		
Variable	Type	Description