NAME :MAHMOUD SAMARA NO.: 1191602

ASSIGNMENT 3 ( UML )

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| Employee |  | Address |
| - EmpName : String  - EmpNumber : String  - EmpHire\_Date : Date  - EmpAddress : Address | 1..0 | - Street : String  - State : String  - City : String  - Zipcode : int |
| +Employee()  +Employee (empname : String, empnumber : String, hire\_date : Date, address: Address )  +getEmpName (): String  +setEmpName( name : String):void  +getEmpNumber (): String  +setEmpNumber( empnumber : String):void  +getHireDate (): String  +setHireDate( date : Date):void  +getAddress ():Address  +setAddress( address : Address):void  +isEmpNumberValid(): Boolean  +getTotalSalary(): double  +toString(): String | 1 | +Address  +Address(street : String , state : String , city : String , zipcode : int )  +getStreet (): String  +setStreet( street : String):void  +getState (): String  +setState( state : String):void  +getCity (): String  +setCity( city : String):void  +getZipcode (): int  +setZipcode( zipcode : int):void  +toString(): String |

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| ProductionWorker |  | ShiftSupervisor |
| - Shift : int  - payRate : double  - NumHoursInMonth : double |  | - MonthlySalary : double  - MonthlyBonus : double  - NumOfProductsMade : int  - NumOfTargetProducts : int |
| +ProductionWorker ()  +ProductionWorker (EmpName : String, EmpNumber : String, EmpHire\_date : Date, address: Address , Shift: int , payRate: double , NumhoursInMonth : double )  +getShift (): int  +setShift( shift : int):void  +getPayRate (): double  +setPayRate( payrate : double):void  +getNumHoursInMonth (): String  +setNumHoursInMonth( HoursInMonth : double):void  +getTotalSalary(): double  +toString(): String |  | +ShiftSupervisor ()  +ShiftSupervisor (EmpName : String, EmpNumber : String, EmpHire\_date : Date, address: Address , MonthlySalary : double, MonthlyBonus : double, NumOfProductsMade : int, NumOfTargetProducts : int )  +get MonthlySalary (): double  +set MonthlySalary ( monthlySalary : double ):void  +get MonthlyBonus (): double  +set MonthlyBonus ( monthlyBonus : double):void  +get NumOfProductsMade (): int  +set NumOfProductsMade ( numOfProductsMade : int):void  +get NumOfTargetProducts ():int  +set NumOfTargetProducts ( numOfTargetProducts : int):void  +getTotalSalary(): double  +getFinancialSalaryAdvance() : double  +getRepaymentOfFinancialSalary (): double  +toString(): String |

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| TeamLeader |
| - MonthlyBonus : double  - RequiredTrainingHours : double  -TrainingHoursAttended : double |
| +TeamLeader ()  +TeamLeaderr (EmpName : String, EmpNumber : String, EmpHire\_date : Date , address: Address , Shift: int , PayRate: double , NumhoursInMonth : double , monthlyBonus : double, RequiredTrainingHours : double , TrainingHoursAttended : double)  +get MonthlyBonus (): double  +set MonthlyBonus ( monthlyBonus : double):void  +get RequiredTrainingHours (): double  +set RequiredTrainingHours (requiredTrainingHours : double):void  +get TrainingHoursAttended (): double  +set TrainingHoursAttended ( trainingHoursAttended : double):void  +getTotalSalary(): double  +getMoneyForSavingsFund(): double  +getFinalMoney(): double  +toString(): String |