Lab6 UML

Program1

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| BMI |
| name: String  age: int  weight: double  feet: double  inches: double |
| BMI (name: String,age: int,weight: double, feet: double,inches: double)  getBMI(): double  getInterpretation():String |

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| --- |
| Course |
| courseName: String  numberOfStudent: int  student: String[] |
| Course(courseName: String)  getStudent(): String[]  getNumberOfStudent(): int  addStudent(student: String): void  dropStudent(student: String) int  clear(): void |

Program2

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| Queue |
| Elements: int[]  size: int |
| Queue()  enqueue(v: int): void  dequeue(): int  empty(): boolean  getSize(): int |

Program3

Program5

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| Tax |
| filingStatus: int  statuses: String[]  brackets: int[][]  rates: double[]  taxableIncome: double |
| Tax()  Tax(filingStatus: int,brackets: int[][],rates: double[],taxableIncome: double)  getStatus(): String  setStatus(filingStatus: int): void  getBrackets(): int[][]  setBrackets(brackets: int[][]): void  getRates(): double[]  setRates(rates: double[]): void  getTaxableIncome(): double  setTaxableIncome(taxableIncome: double): void  getTax(): double |

Program6

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| --- |
| Account |
| Id: int  balance: double  annualInterestRate: double  dateCreated: Date |
| Account()  getId(): int  setId(id: int): void  getBalance(): double  setBalance(balance: double): void  getAnnualInterestRate(): double  setAnnualInterestRate(annualInterestRate: double): void  getDateCreated(): Date  getMonthlyInterestRate(): double  getMonthlyInterest(): double  withdraw(amount: double): void  deposit(amount: void): void |