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| BevShop |
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| BevShop()  validTime(int):Boolean  elibleForMore():Boolean  validAge(int):Boolean  startNewOrder(int,Day,String,int):void  processCoffeeOrder(String,SIZE,Boolean,Boolean):void  processAlcoholOrder(String,SIZE):void  processSmoothieOrder(String,SIZE,int,Boolean):void  findOrder(int):int  totalOrderPrice(int):double  totalMonthlySale():double  sortOrders():void  getIrderAtIndex(int):Order  totalNumOfMonthlyOrders():int  isMaxFruit(int):Boolean  getMaxOrderForAlcohol():int  getMinAgeForAlcohol():int  getNumOfAlcoholDring():int  setNumOfAlcoholDrink(int):void  getOrders():Order[]  setOrders(order[]):void  getCurrentOrder():Order  setCurrentOrder(Order):void |

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| Order |
| orderNo: int  time: int |
| Order(int,day,Customer)  Order(Order)  isWeekend():Boolean  getBeverage(int):Boverage  addNewBeverage(String,Size,Boolean,boolean):void  addNewBeverage(String,SIZE,int,boolean):void  calcOrderTotal():double  findNumOfBeveType(Type):int  getTotalltems():int  compareTo(Order):int  toString():String  getOrderNo():int  setOrderNo():void  getTime():int  setTime(int):void  getOrderDay():Day  setOrderDay(Day):void  getCustomer():Customer  setCustomer(Customer):void  getBeverages():Beverage[]\setBeverages(Beverage[]):void |

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| BevShipinterface |
| MIN\_AGE\_FOR\_ALCOHOL:int  MAX\_ORDER\_FOR\_ALCOHOL:int  MIN\_TIME:int  MAX\_TIME:int  MAX\_FRUIT:int |
| validTime(int):boolean  eligibleForMore():Boolean  validAge(int):Boolean  startNewOrder(int,Day,String,int):void  processCoffeOrder(String,SIZE,Boolean,boolean):void  processAlcoholOrder(String,SIZE):void  processSmoothieOrder(String,SIZE,int,boolean):void  findOrder(int):int  totalOrderPrice(int):double  totalMonthlySale();double  sortOrders():void  getOrderAtIndex(int):Order |

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| OrderInterface |
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| isWeekend():Boolean  getBeverage():Beverage  addNewBeverage(String,Size,Boolean,boolean):void  addNewBeerage(String,SIZE):void  addNewBeverage(String,SIZE,int,boolean):void  calcOrderTotal():double  findNumOfBeveType(TYPE):int |

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| Day |
| MONDAY:DAY  TUESDAY:DAY  WEDNESDAY:DAY  THURDAY:DAY  FRIDAY:DAY  SATURDAY:DAY  SUNDAY:DAY |
| DAY() |

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| Beverage |
| bevName:String  basePrice: double  sizePrice: double |
| Beverage(String,SIZE,TYPE)  calcPrice():double  toString():String  equals(oboject):Boolean  getBevName():String  setBevName(String):void  getType():TYPE  setType(TYPE):void  getSize():SIZE  setSize(SIZE):void  getBasePrice():double  getSizePrice():double |

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| Customer |
| Name: String  Age:int |
| Customer(String,int)  Customer(Customer)  toString():String  getName():String  setName(String):void  getAge():int  setAge():int  setAge(int):void |

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| TYPE |
| COFFEE:TYPE  SMOOTHIE:TYPE  ALCOHOL:TYPE |
| TYPE() |

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| <<Java Class>>  Alcohol  (Default package) |
| Weekend: Boolean  weekendPrice: double |
| Alcohol (String,SIZE,Boolean)  toString():String  equals(Object):Boolean  calcPrice():double  isWeekend():Boolean  setWeekend(Boolean):void  getWeekendPrice():double |

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| Smoothie |
| numOfFruits:int  addProtein:Boolean  proteinPrice:double  fruitPrice:double |
| Smoothie(String,SIZE,int Boolean)  toString():String  equals(Object):Boolean  calcPrice():double  getNumOfFruits():int  setNumOfFruits(int):void  getAddProtein():Boolean  setAddProtein(beeolean):void  getProteinPrice():double  getFruitPrice():double |

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| SIZE |
| SMALL:SIZE  MEDIUM:SIZE  LARGE:SIZE |
| SIZE() |

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| Coffee |
| extraShot:Boolean  extraSyrup:Boolean  shotPrice:double  syrupPrice:double |
| Coffee(String,SIZE,Boolean,Boolean)  calcPrice():double  toString():String  equals(Object):Boolean  getExtraShot():Boolean  setExtraShot(boolean):void  getExtraSyrup():Boolean  getExtraSyrup(boolean):void  getShotPrice():double  getSyrupPrice():double |