

Square
-width: double
+Square() +Square(width: double) +getWidth(): double +getArea(): double +getPerimeter(): double

Bond
-Coupon: double -Payments: integer -Interest: double -valueMaturity: double
+Bond() +Bond(double, int, double, double) +getPrice(): double

Goal
-minute: Int -player: Player
+Goal() +Goal(min: int, p: Player) +setMinute(minute: int) +setPlayer(player: Player) +getMinute(): int +getPlayer(): player +toString(): String

Player
-name: string -goals: int -team: String

```
+Player()  
+Player(name: String, goal: int, team: String)  
+setName(name:String)  
+setTeam(team: String)  
+setGoals(goals:int)  
+getName(): String  
+getTeam(): String  
+getGoals(): int  
+toString(): String
```

Soccer Match

```
startTime: Date  
endTime: Date  
Venue: String  
home : String  
Visitor: string  
homePlayerCounter: Int  
visitPlayerCounter: int  
homeGoalCounter: int  
visitGoalCounter: int
```

```
+SoccerMatch()  
+SoccerMatch(st: date, en: date, ven: String, ho: String, vi: String)  
+addHomePlayer(p: Player)  
+addVisitorPlayer(p: Player)  
+addHomeGoal(g: Goal)  
+addVisitorGoal(g: Goal)  
+getHomeGoals(): int  
+getVisitorGoals(): int  
+getWinner(): String
```