

Problem 1

Square
<div>- width : double</div> <div>- height : double</div>
<div>Square()</div> <div>Square(width : double, height : double)</div> <div>+ getPerimeter() : double</div> <div>+ getArea() : double</div> <div>+ toString() : String</div>

Problem 3

Player
<div>- player : String</div> <div>- goals : int</div> <div>- team : String</div>
<div>Player()</div> <div>Player(name : String, goals : int, team : String)</div> <div>+ getName() : String</div> <div>+ getGoals() : int</div> <div>+ getTeam() : String</div> <div>+ setName(player : String)</div> <div>+ setGoals(goals : int)</div> <div>+ setTeam(team : String)</div> <div>+ toString() : String</div>

Problem 2

Bond
<div>- coupon : double</div> <div>- payments : int</div> <div>- interest : double</div> <div>- valueMaturity : double</div>
<div>Bond()</div> <div>Bond(coupon : double, payments : int, interest : double, valueMaturity : double)</div> <div>+ getCoupon() : double</div> <div>+ getPayments() : int</div> <div>+ getInterest() : double</div> <div>+ getValueMaturity() : double</div> <div>+ getPrice() : double</div> <div>+ setCoupon(coupon : double)</div> <div>+ setPayments(payments : int)</div> <div>+ setInterest(interest : double)</div> <div>+ setValueMaturity(valueMaturity : double)</div>

Goal

Goal
<div>- minute : int</div> <div>- player : Player</div>
<div>Goals()</div> <div>Goals(min : int, p : Player)</div> <div>+ getMinute() : int</div> <div>+ getPlayer() : Player</div> <div>+ setMinute(minute : int)</div> <div>+ setPlayer(player : Player)</div> <div>+ toString() : String</div>

SoccerMatch

SoccerMatch
<div>startTime : Date</div> <div>endTime : Date</div> <div>location : String</div> <div>home : String</div> <div>visitor : String</div> <div>homePlayers : Player[11]</div> <div>visitorPlayers : Player[11]</div> <div>homeGoals : Goal[10]</div> <div>visitorGoals : Goal[10]</div> <div>homePlayerCounter : int</div> <div>visitorPlayerCounter : int</div> <div>homeGoalCounter : int</div> <div>visitorGoalCounter : int</div>
<div>SoccerMatch()</div> <div>SoccerMatch(st : Date, en : Date, loc : String, ho : String, vi : String)</div> <div>+ addHomePlayer(p : Player)</div> <div>+ addVisitorPlayer(p : Player)</div> <div>+ addHomeGoal(g : Goal)</div> <div>+ addVisitorGoal(g : Goal)</div> <div>+ getHomeGoals() : int[]</div> <div>+ getVisitorGoals() : int[]</div> <div>+ getWinner() : String</div>