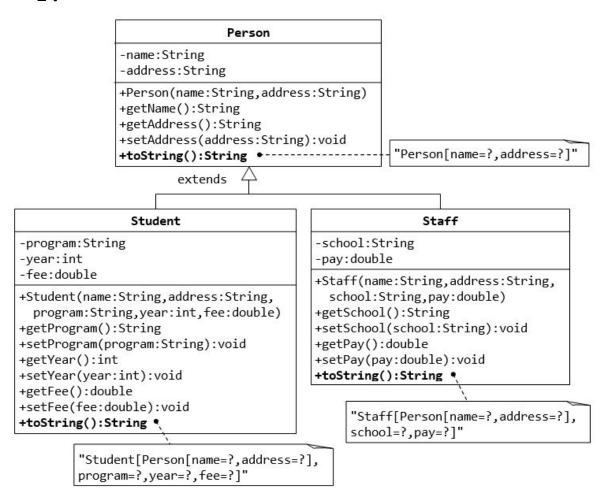
# Java Day - 12 28th September, 2016

# **Excersices**

1.



## <<abstract>> Shape

#color:String
#filled:boolean

- +Shape()
- +Shape(color:String,filled:boolean)
- +getColor():String
- +setColor(color:String):void
- +isFilled():boolean
- +setFilled(filled:boolean):void
- +getArea():double
  +getPerimeter:double
  +toString():String

# 4

#### Circle

#### #radius:double

- +Circle()
- +Circle(radius:double)
- +Circle(radius:double,
  - color:String,filled:boolean)
- +getRadius():double
- +setRadius(radius:double):void
- +getArea():double
- +getPerimeter():double
- +toString():String

## Rectangle

#width:double
#length:double

- +Rectangle()
- +Rectangle(width:double,length:double)
- +Rectangle(width:double,length:double,
  - color:String,filled:boolean)
- +getWidth():double
- +setWidth(width:double):void
- +getLength():double
- +setLength(legnth:double):void
- +getArea():double
- +getPerimeter():double
- +toString():String



#### Square

- +Square()
- +Square(side:double)
- +Square(side:double,color:String,
  - filled:boolean)
- +getSide():double
- +setSide(side:double):void
- +setWidth(side:double):void
- +setLength(side:double):void
- +toString():String