BT

B1

```
public class Circle
{
    private double radius = 1.0;
    private String color = "red";
    public Circle()
    {
    }
    public Circle(double radius)
    {
        this.radius = radius;
    }
    public Circle(double radius, String color)
    {
        this.radius = radius;
        this.color = color;
    }
    public double getRadius()
    {
        return radius;
    }
```

```
public void setRadius (double radius)
{
    this.radius = radius;
}

public String getColor()
{
    return color;
}

public void setColor (String color)
{
    this.color = color;
}

public double getArea()
{
    return Math.PI * radius * radius;
}

public String toString()
{
    return "Circle: radius = " + radius + ", color = '
+ color + "'";
    }
}
```

B2

```
public class Rectangle
{
    private int length;
    private int width;
    public Rectangle() { }
    public Rectangle (int length , int width)
    {
        this.length = length;
        this.width = width;
    }
    public void setLength (int length)
    {
        this.length = length;
    }
    public void setWidth (int width)
    {
        this.width = width;
    }
    public int getLength()
    {
```

```
        return length;
    }
    public int getWidth()
    {
        return Width;
    }
    public int getArea()
    {
        return length * width;
    }
    public String toString()
    {
        return "Rectangle : length = " + length + ", width
= " + width;
    }
}
```

B3

```
public class Employee
{
    private int id;
    private String firstName;
    private String lastName;
    private int salary;
    public Employee (int id, String firstName,
String lastName, int salary)
    {
        this.id = id;
        this.firstName = firstName;
        this.lastName = lastName;
        this.salary = salary;
    }

    public int getId()
    {
        return id;
    }
    public String getFirstName()
    {
```

```
        return firstName;
    }
    public String getLastName()
    {
        return lastName;
    }
    public String getFullName()
    {
        return lastName + " " + firstName;
    }
    public int getSalary()
    {
        return salary;
    }
    public void setSalary(int salary)
    {
        this.salary = salary;
    }
    public int getAnnualSalary()
    {
        return salary * 12;
```

```
}
public int up to salary (int percent)
{
    salary = salary + salary * percent / 100;
    return salary;
}
public String toString()
{
    return "Employee [id = " + id + ", name = "
+ getFullName() + ", salary = " + salary + "]";
}
}
```

B4

```
public class Account
{
    private String id;
    private String name;
    private int balance;
    public Account (String id, String name, int balance)
    {
        this.id = id;
```

```
        this.name = name;
        this.balance = balance;
    }

    public String getID()
    {
        return id;
    }

    public String getName() {
    {   ~~return name~~;
        return name;
    }

    public int getBalance()
    {
        return balance;
    }

    public void credit(int amount)
    {
        if(amount <= 0)
        {
            System.out.println("Sa tien nap phai lon hon 0
dong!");
```

```
thanh cong! So du hien tai";
        } else {
            this.balance -= amount;
            account.balance += amount;
        }
    }
}
```