

Bài 1: Tạo khai class Circle theo diagram

```
package com.company
public class Circle {
    private double radius;
    private string color;
    public Circle() {
        this.radius = 10;
        this.color = "red";
    }
    public Circle(double radius) {
        this.radius = radius;
        this.color = "red";
    }
    public (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 double getArea() {  
    return this.radius * this.radius * Math.PI;  
}  
public String toString() {  
    return "radius: " + this.radius + "  
color: " + this.color;  
}
```



Bài 9: Tạo class Rectangle theo diagram

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

```
    }  
    public int getArea() {  
        return this.length * this.width;  
    }  
    public String toString() {  
        return "length: " + this.length +  
               " width: " + this.width;  
    }  
}
```

Bài 3. Tạo khai class Employee theo diagram

```
package com.company  
public class Employee {  
    private int id;  
    private string firstname;  
    private string lastname;  
    private int salary;  
    public Employee () {}  
    public Employee ( int id, string first name,  
        string last name, int salary ) {  
        this.id = id;  
        this.firstname = first name;  
        this.lastname = last name;  
        this.salary = salary;  
    }  
    public int getid {  
        return id;  
    }  
    public string getfirstname () {  
        return firstname;  
    }
```

```
public string getLastname () {  
    return lastname;  
}
```

```
public int getSalary () {  
    return salary;  
}
```

```
public void setSalary (int salary) {  
    this.salary = salary;  
}
```

```
public string getFullName () {  
    return lastname + " " + firstname;  
}
```

```
public int getAnnualSalary () {  
    return salary * 12;  
}
```

```
public int upToSalary (int percent) {  
    this.salary = (this.salary * percent) / 100;  
    return this.salary  
}
```

```
public string toString () {  
    return "Employee (id = " + id + ", name = "  
        + getFullName () + ", salary = " + salary + ")";  
}
```

Bài 4: Tạo khai class Account theo diagram

```
package com.company;
public class Account {
    private String id;
    private String name;
    private int balance;
    public Account () {}
    public Account (String id, String name, int
balance) {
        this.id = id;
        this.name = name;
        this.balance = balance;
    }
    public String getName () {
        return name;
    }
    public int getBalance () {
        return balance;
    }
    public void credit (int amount) {
        this.balance += amount;
    }
}
```

```
    }
    public void debit (int amount) {
        if (amount > this.balance) {
            System.out.println ("Thanh Toan
khong thanh cong");
        } else {
            this.balance -= amount;
        }
    }
    public void transferTo (Account account, int
amount) {
        if (amount > this.balance) {
            System.out.println ("Chuyen tien
khong thanh cong");
        } else {
            this.balance -= amount;
            account.credit (amount);
        }
    }
}
```

Bài 5: Tạo class Date theo diagram

package com.company;

public class Date

 private int day;

 private int month;

 private int year;

 public Date () { }

 public Date (int day, int month, int year) { }

 this . day = day;

 this . month = month;

 this . year = year;

 public int getday () { }

 return day;

 public int getmonth () { }

 return month;

 public int getyear () { }

 return year;

```
public void setday (int day) {  
    this.day = day;  
}
```

```
public void setmonth (int month) {  
    this.month = month;  
}
```

```
public void setyear (int year) {  
    this.year = year;  
}
```

```
public boolean isleapyear () {
```