1 3 5 0 0 8 0 2 3 7

Cao Hoàng Minh Tài
13 - ĐH - CNTT2

```
// 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;
    }
```

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```
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;
}

@Override
public String toString(){
    return "Circle[radius=" +
    radius + ", color=" + color
                     + "]";
}

public static void main(String[]
                     args) {
    Circle c = new Circle(7.5, "blue");
    System.out.println(c.toString());
    System.out.println("Diện tích là:"
                     + c.getArea());
}
}

public class Rectangle{
    private int length;
    private int width;

    public Rectangle() {
    }
```

```
public Rectangle(int length, int
                 width) {
    this.length = length;
    this.width = width;
}

pablic void setLength(int length){
    this.length = length
}

public int getLength() {
    return length;
}

public void setWidth(int width){
    this.width = width;
}

public int getWidth() {
    return width;
}

public int getArea() {
    return length * width;
}

@Override
public String toString() {
    return "Rectangle[length="
        + length + ", width=" + width
        + "]";
}

public static void main(String[]
                        args) {
    Rectangle r = new Rectangle(10,5);
    System.out.println(r.toString());
    System.out.println("Dien tich HCN
        " + r.getArea());
}
}
```

3/
```
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 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 + (this.salary
                * percent) / 100;
        return this.salary;
    }

    @Override
    public String toString() {
        return "Employee[id=" + id +
        ", name=" + getFullName() +
        ", salary=" + salary + "]";
    }

    public static void main(String[] args){
        Employee emp = new Employee
            (101, "A", "Nguyen Van", 1000);
        System.out.println(emp.toString
                                ());
        emp.upToSalary(10);
        System.out.println("Lương
         sau khi tăng: " + emp.getSalary
                                ());
    }
}
```


4/

```
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;
    }

    public int getBalance {
        return balance;
    }
}
```

```
public int creadit (int amount){
    if(amount > 0){
        this.balance += amount;
    }
    return this.balance;
}

public int debit (int amount){
    if (amount <= this.balance){
        this.balance -= amount;
    }else{
        System.out.println("Thanh toán không thành
        công. Số dư hiện có: "
        + balance);
    }
    return this.balance;
}

public int transferTo(Account
        another, int amount){
    if (amount <= this.balance){
        this.balance -= amount;
        another.creadit(amount);
    }else{
        System.out.println("Chuyển
        tiền không thành công.
        Số dư không đủ.");
    }
    return this.balance;
}

@Override
public String toString(){
    return "Account[id=" +id+
    ", name=" +name+ ", balance
    =" +balance+ "]";
}

public static void main(String[]
                        args){
    Account a1 = new Account
    ("ACC01", "UserA", 500);
```

```
        Account a2 = new Account
        ("ACC02", "User B", 100);
        System.out.println("Ban dau
        : " + a1 + " | " + a2);
        a1.transferTo(a2, 200);
        System.out.println("Sau
        khi chuyển: " + a1 + " | " + a2);
    }
}
```

5/

```
public class Date{
    private int day;
    private int month;
    private int year;

    public Date(int day, int month, int
                                year){
        this.day = day;
        this.month = month;
        this.year = year;
    }

    public int getDay(){
        return day;
    }

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

    public int getMonth(){
        return month;
    }

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

    public int getYear(){
        return year;
    }

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

```
public boolean isLeapYear(){
    if((year % 400 == 0) || (year
    % 4 == 0 && year % 100 != 0
                            )){
        return true;
    }
    return false;
}

@Override
public String toString(){
    return String.format(
    "%02d/%02d/%d", day, month
                        , year);
}

public static void main(String[]
                        args){
    Date d1 = new Date(27,7,2024);
    System.out.println("Ngày đã tạo
    :" + d1.toString());
    System.out.println("Năm " +
    d1.getYear() + " có nhuận
    không?" + d1.isLeapYear());

    Date d2 = new Date(15,5,2023);
    System.out.println("\nNgày đã
    tạo:" + d2.toString());
    System.out.println("Năm " +
    d2.getYear() + " có nhuận
    không?" + d2.isLeapYear());
    }
}
```