

OOP_tn_1

Wednesday, January 3, 2024 11:07 PM



OOP_tn_1

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0:57:42



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Nội dung thi

#d4b7a4

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì?

```
public class Demo{
    public static void main(String[] args) {
        System.out.println("Begin ");
        try {
            int i = 5/0;
            System.out.println("Try ");
        } catch (Exception ex) {
            System.out.println("Catch ");
        } finally {
            System.out.println("Finally ");
        }
        System.out.println("End ");
    }
}
```

- ☐ Begin Try Catch Finally End
- ☐ Begin Try Catch End
- ☒ Begin Catch Finally End
- ☒ Begin Catch End
- ☐ Begin End

Submit

#226c1d

1 point possible (graded, results hidden)

Cho 3 lớp: lớp Person, lớp Employee kế thừa lớp Person, và lớp Manager kế thừa lớp Employee. Thực thi đoạn code sau sẽ in ra màn hình kết quả gì

```
Person p = new Employee();
System.out.println((p instanceof Person) + " ");
System.out.println((p instanceof Employee) + " ");
System.out.println((p instanceof Manager) + " ");
```

- ☐ false true false
- ☒ true true false

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Submit

Answer submitted.

#eb4345

1 point possible (graded, results hidden)

Đâu là các ấn bản Java phát hành bởi Oracle

- ☐ Java EE
☒ Java SE
☐ Java ME
☒ Java FX
☐ Java Virtual Machine

Submit

#d6f661

1 point possible (graded, results hidden)

Cho lớp Person như sau

```
class Person {
    protected String name;
    protected final String print1() {
        return name;
    }
    protected String print2() {
        return name.toUpperCase();
    }
}
```

Chọn những phát biểu đúng về lớp Employee sau đây:

```
class Employee extends Person {
    protected String print1() {
        System.out.println(super.print1());
        return super.print1();
    }
    protected String print2() {
        System.out.println(super.print2());
        return super.print2();
    }
}
```

- ☒ Lỗi biên dịch ở phương thức print1
☐ Lỗi biên dịch ở phương thức print2

https://studycolita.com/courseware/v12h30-13h30-1courseware/idea7a7f0dc440eade6f666ec812251223ad9915f0629f5213605900140ca7aachem_block_id=91ecv=1f6556e0CT%2B173100%2B2023-... 3/19

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#ebbae2

1 point possible (graded, results hidden)

Cho lớp Person như sau:

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Submit

#e46e9d

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì ?

```
class A {
    int a = 123;
    private int b = 456;
    public void method(){
        System.out.print("A ");
    }
}

class Test extends A {
    public static void main(String[] aa) {
        Test o = new Test();
        o.method();
        System.out.print(o.a + " ");
        System.out.print(o.b + " ");
    }
}
```

- ☐ In ra "A " sau đó báo lỗi biên dịch
- ☒ Báo lỗi biên dịch
- ☐ In ra "A 123 " sau đó báo lỗi biên dịch
- ☐ A 123 456

Submit

#bbbd04

1 point possible (graded, results hidden)

Đoạn chương trình sau báo lỗi biên dịch. Thêm câu lệnh nào vào dòng ... để chương trình không còn báo lỗi.

```
class X
{
    public X(int i){
        System.out.println(1);
    }
}

class Y extends X
{
    public Y(){
        ... super(1);
        System.out.println(2);
    }
}
```


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#b8d2ac

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì?

```
public class Main{
    public static void main(String[] xs) {
        for (int x = 0; x < 5; x++)
        {
            System.out.print(x);
        }
        System.out.print(x);
    }
}
```

☒ Báo lỗi*biến x chỉ có vòng for*☐ 012344☐ 0☐ 012345

Submit

#414ca2

1 point possible (graded, results hidden)

Kết quả in ra màn hình khi thực thi đoạn code sau là gì

```
System.out.print("Begin ");
try {
    int i = 5/0;
    System.out.print("Try ");
} catch (Exception ex) {
    System.out.print("Catch ");
} finally {
    System.out.print("Finally ");
}
System.out.print("End ");
```

☐ Begin End☐ Begin Try Catch Finally End☒ Begin Catch Finally End☐ Begin Catch End☐ Begin Try Catch End

Submit

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- ☐ S2
- ☐ Không lập nào bị lỗi biên dịch

Submit

#e3bbc0

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì ?

```
class M {
    int i = 50;
    public M(int j) {
        System.out.print(i);
        this.i = j = 10;
    }
}

class N extends M {
    public N(int j) {
        super(j);
        System.out.print(i);
        this.i = j = 20;
    }
}

public class Test {
    public static void main(String[] args) {
        M m = new N(25);
        System.out.print(m.i);
    }
}
```

- ☒ 50250500 *50 → 250 → 500*
- ☐ 0500
- ☐ 02500500
- ☐ 505050

Submit

#be7603

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì?

```
public class Test{
    public static void tryPrimitives(int i, double f, char c, boolean test)
    {
        i += 10;
        c = 'z';
        if(test)
            test = false;
        else
            test = true;
    }
}
```

(+ n) (y)
Integer

11 Interpret

☒ ii = 1, ff = 1.0, cc = a, bb = false

Submit

#052aaf

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì ?

- ☒ Class B.Class A.Class B.Class B.Class A.

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#4b51c3

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì?

```
public class Main {
    public static void convert(String a){
        a = "String convert";
    }

    public static void main(String[] args) {
        String str = "This is a string literal.";
        convert(str);
        System.out.println("str = " + str);
    }
}
```

O = new AC)
method(O)
method(O)
O.setB(10)
method (String s)
s = "abcd"

- ☐ This is a string literal. = String convert
- ☒ str = This is a string literal.
- ☐ String convert = This is a string literal.
- ☐ str = String convert

Submit

#9b1317

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì?

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```

}
class Y extends X {
    void check (int a, int b) {
        System.out.print("Class Y");
    }
}
class Z extends Y {
    void check (int a, int b) {
        System.out.print("Class Z");
    }
}

public class Test {
    public static void main(String[] args) {
        X x = new Y();
        x.check(123, 456);
        Y y = (Y) x;
        y.check(123, 456);
        Z z = (Z) y;
        z.check(123, 456);
    }
}

```

- ☒ In ra "Class YClass Y" và lỗi java.lang.ClassCastException
- ☐ In ra "Class YClass Z"
- ☐ In ra "Class Y" và lỗi java.lang.ClassCastException

Submit

#d1c7b1

1 point possible (graded, results hidden)

Đoạn mã sau khi chạy in ra gì?

```

public class Test
{
    static int x = 11;
    private int y = 22;
    public void method1(int x)
    {
        Test t = new Test();
        this.x = 22;
        y = 44;
        System.out.print(" " + Test.x);
        System.out.print(" " + t.x);
        System.out.print(" " + t.y);
        System.out.print(" " + y);
    }

    public static void main(String args[])
    {
        Test t = new Test();
        t.method1(5);
    }
}

```

☐ 22 5 33 44

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#62ed50

1 point possible (graded, results hidden)

Kết quả thực thi đoạn chương trình sau là gì

```
public class Test {
    static int index = 0;

    void increase() {
        index++;
    }

    public static void main(String[] args) {
        increase();
        System.out.println(index);
    }
}
```

- ☐ In ra 1
- ☐ In ra 0
- ☒ Lỗi biên dịch ở lời gọi hàm increase trong hàm main
- ☐ Lỗi biên dịch ở lệnh in ra giá trị index trong hàm main

Submit

#5458bd

1 point possible (graded, results hidden)

Cho lớp Person như sau

```
class Person {
    protected String name;
    private String print1() {
        return name;
    }
    protected String print2() {
        return name.toUpperCase();
    }
    protected String print3() {
        return name.toLowerCase();
    }
}
```

Chọn những phát biểu đúng về lớp Employee sau đây:

-

class X {

```
void calculate() {  
    System.out.print("Class X");  
}  
}
```

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am".

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```
class Y extends X {  
    void calculate() {  
        System.out.print("Class Y");  
    }  
}  
  
public class Test {  
    public static void main(String[] args) {  
        X x = new Y();  
        x.calculate();  
        Y y = (Y) x;  
        y.calculate();  
    }  
}
```

☒ Class YClass Y

A ☐ Class YClass X

☐ Class XClass X

☐ Class XClass Y

Submit

#486a72

1 point possible (graded, results hidden)

Cho 5 lớp như sau

```
abstract class Writer {  
    public abstract void write(String s) throws RuntimeException;  
}  
  
class HTMLWriter extends Writer {  
    public void write(String s) throws RuntimeException {  
        // ...  
    }  
}  
  
class CSVWriter extends Writer {  
    public void write(String s) throws Exception {  
        // ...  
    }  
}  
  
class JSONWriter {  
    public void write(String s) throws Exception {  
        // ...  
    }  
}  
  
class TEXTWriter extends Writer {  
    public void write(String s) throws ArithmeticException {  
        // ...  
    }  
}
```

Những lớp nào bị lỗi biên dịch (Gợi ý: ArithmeticException là lớp dẫn xuất từ RuntimeException)

https://studycolts.com/courseware/v1/2021-IT2100-2022-1/courseware/idea7a7b10c440eade6f666c2b12251223cd9b1046295213605900140ca7aachina_block_id=91603601CT%20IT2100%202022... 16/19

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☐ TEXTWriter

Submit

#eeff13e

1 point possible (graded, results hidden)

Kết quả khi thực thi lớp Test là gì

```
class Person {
    private int age;
    public Person(int age) {
        this.age = age;
    }
    public int getAge() {
        return age;
    }
    public void setAge(int age) {
        this.age = age;
    }
}

class Test {
    public static void increaseAge(Person p) {
        p.setAge(p.getAge() + 1);
    }
    public static void swap(Person p1, Person p2) {
        Person tmp = p1;
        p1 = p2;
        p2 = tmp;
    }
    public static void main(String[] args) {
        Person p1 = new Person(15);
        Person p2 = new Person(20);
        increaseAge(p1);
        swap(p1, p2);
        System.out.print(p1.getAge() + " ");
        System.out.print(p2.getAge() + " ");
    }
}
```

Handwritten notes in red:
 - Arrows point from the `increaseAge` and `swap` methods to the output values.
 - `125384` and `158935` are written above the arrows.
 - `P1, swap thay đổi đi` is written below the arrows.

- ☐ 15 20
- ☒ 16 20
- ☐ 20 15
- ☐ 20 16

Submit

#b053ad

1 point possible (graded, results hidden)

Chọn những phát biểu đúng về 2 phương thức sau

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```
static void m2(String s1) {
    s1 = s1.toUpperCase(); System.out.print(s1);
}
static void m3(StringBuffer s1) {
    s1.delete(0,1); System.out.print(s1);
}
static void m4(StringBuffer s1) {
    s1 = s1.delete(0,1); System.out.print(s1);
}
public static void main(String[] s) {
    String s1 = "Ab";
    StringBuffer s2 = new StringBuffer("dEd");
    m1(s1); m2(s1);
    System.out.print(s1 + " ");
    m3(s2); m4(s2);
    System.out.print(s2);
}
}
```

- ☐ AbABAb dEEE
- ☐ abABAB dEdEdE
- ☐ abABAB dEEE
- ☐ AbABAB dEEE

Submit

#2129aa

1 point possible (graded, results hidden)

Trong 4 lớp sau, những lớp nào bị lỗi

You are taking "Đề thi 1 (12h30-13h30)" as a timed exam. The timer on the right shows the time remaining in the exam. To receive credit for problems, you must select "Submit" for each problem before you select "End My Exam".

```
}  
}  
class Employee2 {  
    public final String company;  
}  
class Employee3 {  
    public final String company;  
    public Employee3() {  
        this.company = "FPT";  
    }  
    public Employee3(String company) {  
        this.company = company;  
    }  
}  
class Employee4 {  
    public final String company;  
    public Employee4() {  
    }  
    public Employee4(String company) {  
        this.company = company;  
    }  
}
```

→ Chưa khởi tạo giá trị cho company

- ☐ Employee1
☒ Employee2
☐ Employee3
☒ Employee4

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