



Review Test Submission: [Raw] Lesson 4 Quiz A

User	Heng Jing Han .
Course	1930 ISTD - 50.001 : Introduction to Information Systems & Programming
Test	[Raw] Lesson 4 Quiz A
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Time Elapsed	1 minute
Results Displayed	Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points



Consider the following class **Album**, which has an inner class called **Track**.

The **Album** class also has variables at Line 5 to 7 with different modifiers.

At line 25, the constructor of **Track** is trying to print out these variables belonging to **Album**.

Which variables at Line 5 to 7 can the constructor of **Track** access?

```
3 public class Album {
4
5     private String albumTitle;
6     private int numberOfTracks;
7     private static final String companyName = "Turtle Records";
8
9     @
10    Album(String albumTitle, int numberOfTracks){
11        this.albumTitle = albumTitle;
12        this.numberOfTracks = numberOfTracks;
13    }
14
15    int getNumberOfTracks(){ return numberOfTracks; }
16
17    String getAlbumTitle(){ return albumTitle; }
18
19    static class Track{
20
21        String trackName;
22
23        Track(String trackName){
24            this.trackName = trackName;
25            System.out.println( A );
26        }
27    }
28 }
29 }
```

Selected Answer: companyName only

Question 2

3 out of 3 points

In the class **DinosaurAdapter** below, fill in the blanks marked **A**, **B** and **C**.

```
1 package onlinequiz;
2
3 interface Dinosaur{
4     void roar();
5 }
6
7 interface Exhibit{
8     void makeSound();
9 }
10
11 public class Rex implements Dinosaur {
12     @Override
13     public void roar() {
14         System.out.println("I am T-Rex!!!");
15     }
16 }
17
18 class DinosaurAdapter implements Exhibit{
19
20     private A x;
21
22     DinosaurAdapter(B x){
23         this.x = x;
24     }
25
26     @Override
27     public void makeSound() {
28         C;
29     }
30 }
31
```

A: **[a]** (case-sensitive)B: **[b]** (case-sensitive)C: **[c]** (case-sensitive. There should not be any spaces in your answer.)

Specified Answer for: a Dinosaur

Specified Answer for: b Dinosaur

Specified Answer for: c x.roar()

Question 3

4 out of 4 points



Part of a class that implements the singleton design pattern is shown below.

Fill in the modifiers/keywords marked A, B, C and D. None of these are blank.

```

public class Singleton {
    private D Singleton singleton;

    C Singleton(){
        //code not shown
    }

    public B Singleton getInstance(){
        if( singleton == A ){
            singleton = new Singleton();
        }

        return singleton;
    }
}

```

A: **[a]** (case-sensitive)

B: **[b]** (case-sensitive)

C: **[c]** (case-sensitive)

D: **[d]** (case-sensitive)

Specified Answer for: a null

Specified Answer for: b static

Specified Answer for: c private

Specified Answer for: d static

Question 4

1 out of 1 points



Study the following class definitions.

C is a nested class of A.

```

package onlinequiz;

class A {
    //no-arg constructor not shown

    static class C {
        //no-arg constructor not shown
    }
}

```

What code should be written in main() below to instantiate C?

```
package onlinequiz;  
  
public class TestingClass {  
  
    public static void main(String[] argv){  
  
        //Instantiate C  
  
    }  
}
```

Selected Answer: A.C c = new A.C();

Question 5

3 out of 3 points



The class **Fight** has one behaviour, **attackOpponent()** that is delegated to objects that implement the **Weapon** interface.

Fill in the code blocks marked A and B.

```
public class Fight {  
  
    interface Weapon{  
        void attack();  
    }  
  
    private Weapon weapon;  
  
    Fight(){  
        //code not shown  
    }  
  
    public void setWeapon(Weapon weapon) {  
        A ;  
    }  
  
    public void attackOpponent(){  
        B ;  
    }  
}
```

A: **[a1]** = **[a2]** (both are case-sensitive)

B: **[b]** (case-sensitive)

Specified Answer for: a1 this.weapon

Specified Answer for: a2 weapon

Specified Answer for: b weapon.attack()

Saturday, November 30, 2019 2:13:23 PM SGT

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