Quiz Submissions - Quiz #10

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Attempt 1

Written: Mar 28, 2020 9:00 AM - Mar 28, 2020 9:20 AM

Submission View

You successfully submitted your quiz.

Question 1 **2 / 2 points**

1. What is the output of the following code

```
public class MyProgram {
        public static void main(String args[]){
          try {
            System.out.print("Hello world");
          }
          catch(Exception e){
           System.out.println(“Exception executing”);
          }
          finally {
            System.out.println("Finally executing");
          }
  }
```

Hello worldFinally executing

The correct answer is not displayed for Written Response type questions.

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Hello world

Finally executing

Question 2 **0 / 1 point**

Using existing exceptions makes the program less robust

✗ ○ True
➡ ○ False

Question 3 **1 / 1 point**

The new exception class should extend RuntimeException if the program should be required to handle the exception.

○ True
✓ ○ False

Question 4 **1 / 1 point**

The try block must be followed by a finally block

○ True
✓ ○ False

Question 5 **0 / 1 point**

A finally block typically releases resources acquired in the corresponding try block

➡ ○ True
✗ ○ False

Question 6 **0 / 1 point**

Like any other class, an exception class can contain fields and methods.

➡ ○ True
✗ ○ False

Question 7 **0 / 1 point**

The throw point of an exception specifies the point at which the exception must be handled

✗ ○ True
➡ ○ False

```
public class Book {
private String title;
private double price;
public Book(String title, double price){
 this.title = title;
 this.price = price;
}
public String getTitle(){
      return title;
}
public double getPrice(){
      return price;
}  }
```

```
import java.util.ArrayList;
public class BookStore {
  private ArrayList<Book> bookList;
  public BookStore(){
        bookList = new ArrayList<Book>();
  }
  public void addBook(Book toAdd){
        bookList.add(toAdd);
  }
  public Book getBookByTitle(String title)
 {
        for(Book b: bookList){
              if(b.getTitle().equalsIgnoreCase(title)){
```

```
                return b;

            } }

        throw new NoSuchBookException("book with title "+title + "is not
available");

  } }


  public static void main(String[] args){

        BookStore store = new BookStore();

        Book b1 = new Book("HarryPotter",50.5);

        Book b2 = new Book("Inferno",65.3);

        Book b3 = new Book("Don't make me think",70.0);

        store.addBook(b1);

        store.addBook(b3);

        System.out.println(store.getBookByTitle("HarryPotter"));

        System.out.println(store.getBookByTitle("Inferno"));

        }
```

Question 8 **0 / 1 point**

Assume that the above code compiles and runs properly

write the Exception class that is used in the above classes

```
public class NoSuchBookException extends Exception{
  public NoSuchBookException(String message){
      super(message);
  }
}
```

The correct answer is not displayed for Written Response type questions.

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```
public class NoSuchBookException extends RuntimeException{

    public NoSuchBookException(String message){
```

```
            super(message);
    }   }
```

Question 9 **0 / 1 point**

Is the exception used in the above classes checked or unchecked exception? How can you tell?

checked exception because it is subclass of Exception and use for anticipated failures

The correct answer is not displayed for Written Response type questions.

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Unchecked Exception. The exception was not declared using throws clause in the methods which threw the exception and the method calls were not wrapped in a try catch block which indicates that the exception used was unchecked exception

Question 10 **1 / 2 points**

1. Modify the above classes including the exception class you wrote above to use the other type of exception and still executes properly?
   (Write the exception class here then copy the above code, paste it here and add the modifications)

```
public class NoSuchBookException extends RuntimeException{
  public NoSuchBookException(String message){
      super(message);
  }
}
public class Book {

    private String title;

    private double price;

    public Book(String title, double price){

     this.title = title;
```

```
        this.price = price;
    }
    public String getTitle(){
        return title;
    }
    public double getPrice(){
        return price;
    }  }


import java.util.ArrayList;
public class BookStore {
 private ArrayList<Book> bookList;
 public BookStore(){
        bookList = new ArrayList<Book>();
 }
 public void addBook(Book toAdd){
        bookList.add(toAdd);
 }
 public Book getBookByTitle(String title)
{
```

```
        for(Book b: bookList){

            if(b.getTitle().equalsIgnoreCase(title)){

                return b;

            } }

        throw new NoSuchBookException("book with title "+title + "is not available");

    } }



    public static void main(String[] args) throws NoSuchBookException{

        BookStore store = new BookStore();

        Book b1 = new Book("HarryPotter",50.5);

        Book b2 = new Book("Inferno",65.3);

        Book b3 = new Book("Don't make me think",70.0);


        store.addBook(b1);

        store.addBook(b3);

        try{
        System.out.println(store.getBookByTitle("HarryPotter"));

        System.out.println(store.getBookByTitle("Inferno"));
        } catch (NoSuchBookException e){
            e.getMessage();
          }
        finally{

    }
        }
```

The correct answer is not displayed for Written Response type questions.

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```
import java.util.ArrayList;
public class BookStore {
  private ArrayList<Book> bookList;
   public BookStore(){
        bookList = new ArrayList<Book>();
  }
  public void addBook(Book toAdd){
        bookList.add(toAdd);
  }
  public Book getBookByTitle(String title) throws NoSuchBookException   {
      for(Book b: bookList){
            if(b.getTitle().equalsIgnoreCase(title)){
                  return b;
            } }
        throw new NoSuchBookException("book with title "+title + "is not
available");
  } }
   public static void main(String[] args){
        BookStore store = new BookStore();
        Book b1 = new Book("HarryPotter",50.5);
        Book b2 = new Book("Inferno",65.3);
        Book b3 = new Book("Don't make me think",70.0);
        store.addBook(b1);
        store.addBook(b3);
    try{
```

```
            System.out.println(store.getBookByTitle("HarryPotter"));

            System.out.println(store.getBookByTitle("Inferno"));
    }
catch(NoSuchBookException e){
            System.out.println(e.getMessage());
        }   }
```

Attempt Score:5 / 12

Overall Grade (highest attempt)**:**5 / 12

Done