

ECET 3810 – Practice Problem Set 5

- 1) Write the line of code that loads an image file from the following URL:

`http://www.mysite.com/carImage.jpg`

```
Image image = new getImage("http://www.mysite.com/carImage.jpg");
```

- 2) A class named AUVData2 implements the IData interface. Using both the class and interface name write the line(s) of code necessary to create an IData object.

```
IData auvItf = (IData)(new AUVData2());
```

- 3) Which reserved keyword is used to throw an exception, not pass it to a higher method in the call stack?

- a. throw
- b. throws
- c. finally
- d. try
- e. catch
- f. None of the above

- 4) Vertically arrange the following exceptions types in the proper order that they should occur in subsequent catch blocks from top (first catch) to bottom (last catch).

RuntimeException, IllegalArgumentException, Exception, NumberFormatException

```
NumberFormatException
```

```
IllegalArgumentException
```

```
RuntimeException
```

```
Exception
```

5) Which UML symbol represents an association?

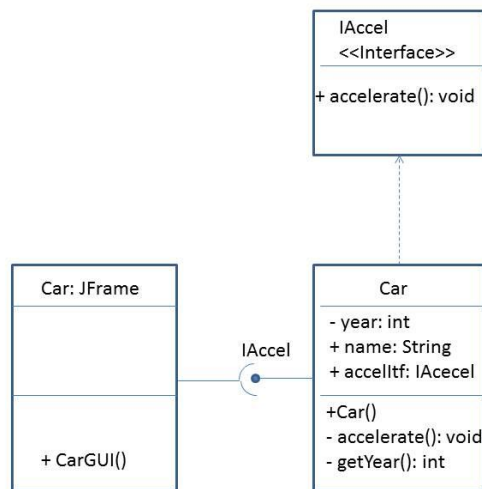
- a. Straight line
- b. Dashed arrow
- c. Solid arrow
- d. Ball and socket
- e. Double angle bracket
- f. None of the above

6) Draw a simple UML diagram to represent the following items:

Car class with constructor, private *accelerate* method with void return type, private *getYear* method with int return type, private *year* integer, public *name* String, and a public *accelItf* IAccel object.

IAccel interface with an abstract *accelerate* method

CarGUI class with constructor. This class consumes services from an IAccel interface



7) Which of the following classes has an *accept* method used to receive client requests?

- a. **ServerSocket**
- b. BufferedReader
- c. Socket
- d. PrintWriter