Section 1 - Java Syntax and Class Review Quiz

1. What is the output of the following program?

```java
public static void main(String[] args)
{
  int a = 2;
  double b = 4.0;
  double c = 10.0;
  double out = c / b + a / (2 * a);
  System.out.println(out);
}
```

2. What is the output of the following program?

```java
public static void main(String[] args)
{
  String in = "hello";
  String out = in.replaceAll("l", "");
  in = out.toUpperCase();
  System.out.println(in);
}
```

3. Given the following program, write code to capitalize the first letter of lowerCaseString.

```java
public static void main(String[] args)
{
  String lowercaseString = "this is a very long lower case string";
  // Your code here
}
```

4. Which of the following are correct ways of creating arrays in Java?

a. `String[] myArray = new String[];`

b. `String[] myArray = { "Hey", "Bye", "Hello" };`

c. `int myArray = new int[10];`

d. `int[10] myArray = new int[];`

e. All of the above

5. What is the output of the following program?

```java
public static void main(String[] args)
{
  int val = 10;
  switch (val)
  {
    case 1:
     System.out.println("Orange");
     break;
    case 2:
     System.out.println("Pear");
     break;
    default:
     System.out.println("Apples!");
     break;
  }
}
```

```
}
```