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| **Skill 27.2: Exercise 1** | | |
| The following code blocks would cause errors. Fix the code to prevent an error from occurring | | |
| class InfiniteLoop {  public static void test(int i){  for(int i = 1; i > 0; i++){  System.out.println(i);  }  }  } | | class StackOverflow {  public static void test(int i)  {  //Not correct as base condition  //leads to non-stop recursion.  if (i == 0)  return;  else {  test(i++);  }  }  } |
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| **Skill 27.2 Exercise 2** |
| For each of the following code segments identify the unchecked error that would occur |
| (a) int[] myArray = {1, 2, 3}  System.out.println(myArray[3]);  (b) System.out.println(10/0);  (c) String pointer = null;  if(pointer.equals(“this”)  //do something  (d) Object x = new Integer(0);  System.out.println((String)x);  (e) String s = “Hello”;  System.out.println(s.charAt(5)); |

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| **Skill 27.2 Exercise 3** |
| For each of the following unchecked errors, write a try-catch block to catch the error. |
| int[] myArray = {1, 2, 3}  System.out.println(myArray[3]); |
| System.out.println(10/0); |
| String pointer = null;  if(pointer.equals(“this”)  //do something |
| Object x = new Integer(0);  System.out.println((String)x); |
| String s = “Hello”;  System.out.println(s.charAt(5)); |