Name	Period
Name	renou

1. Refer to the code below,	
<pre>//Assume nextLine() and nextInt() are static methods in //a class named Scanner that reads a String and an integer //from the keyboard.</pre>	
<pre>Scanner rdr = new Scanner(System.in); String str = rdr.nextLine(); int j = rdr.nextInt();</pre>	
try {	
<pre>System.out.print(str.charAt(j));</pre>	
<pre>} catch(StringIndexOutOfBoundsException e) {</pre>	
<pre>System.out.print("Error: " + j);</pre>	
}	
(a) What is the output of the code above, given the input below?	
big mamma 2	
	/1
(b) What is the output of the code above, given the input below?	
big mamma 22	
	/1
	·

```
2. Refer to the code below,

//Returns the product of two integers represented as
//strings. If either string is not a number, returns the other
//number. If both are not numbers, returns 1.

public static int product(String str1, String str2) {
    int prd = 1;

try {
    prd*=Integer.parseInt(str1);
} catch(NumberFormatException) {
        <*1>
} try {
        prd*=Integer.parseInt(str2);
} catch(NumberFormatException) {
```

3. What is output by the code to the try{ right if the static method called test(); test() encounters the following line of code? Assume catch (NumberFormatException e) { the test signature includes throws System.out.println("Error with number NumberFormatException. format"); int j =} catch(RuntimeException e) { Integer.parseInt("Two System.out.println("Error"); Thousand");

/1

4. If the code designated by <*1> to the right does not throw any exceptions, which of the remaining code sections will execute?

/1

Score _____/18

5. Indicate the stack and the output for the code below.				
Code	Stack	Output		
<pre>public static void showMe(int arg) { if (arg < 10) { showMe(arg + 1); } else { System.out.print(arg + " "); } } public static void main(String args[]) { showMe(0) }</pre>				

6. Indicate the stack and the output for the code below				
Code	Stack	Output		
<pre>public static void whatsItDo(String str) { int len = str.length(); if (len > 1) { String temp = str.substring(0, len - 1); System.out.println(temp); whatsItDo(temp); } }</pre>				
<pre>public static void main(String args[]) {</pre>				
<pre>whatsItDo("WATCH") }</pre>				

7. Indicate the stack and the output for the code below			
Code	Stack	Output	
<pre>public static void puf(int n)</pre>			
{			
if(n == 1)			
{			
<pre>System.out.print("x"); }</pre>			
else if(n%2 = = 0) //n is even {			
<pre>System.out.print("{"); puf(n-1);</pre>			
<pre>System.out.print("}"); }</pre>			
else //n is odd			
<pre>System.out.print("<"); puf(n-1);</pre>			
<pre>System.out.print(">");</pre>			
}			
}			
<pre>public static void main(String args[]) {</pre>			
puf(5);			
J			

8. Indicate the stack and the output for the code below Code Stack Output public static void sort(int[] data) for (int j = 0; j < data.length - 1; j++) int m = j; for (int k = j + 1; k < data.length; k++) if (data[k] < data[m])</pre> /* Compare values */ { m = k;} int temp = data[m]; /* Assign to temp */ data[m] = data[j]; data[j] = temp; /* End of outer loop */ public static void main(String args[]){ $int[] iArr = {1, 5, 3};$ sort(iArr);