Name	Period
1 Marie	1 CHOC

1. Refer to the code below to answer the following	
String s = "Get here Thanksgiving!";	
String m = "er";	
int j = 8, z = 99;	
(a)	
int k = s.indexOf(m);	
System.out.println(k);	
(b)	
int k = s.indexOf('T');	
System.out.println(k);	
(c)	
char p = s.charAt(6);	
System.out.println(p);	
(d)	
int k = s.indexOf(z);	
System.out.println(k);	
(e)	
int k = s.indexOf('g', j);	
System.out.println(k);	
(f)	
char p = s.charAt(z - 90);	
System.out.println(p);	
(g)	
int k = s.index0f(m, 15);	
System.out.println(k);	
(h)	
int k = s.indexOf(z + 2, 4);	
System.out.println(k);	
(i)	
boolean k = s.contains(m);	
System.out.println(k);	
(j)	
String s2 = " JAVA ";	
String k = "!" + s2.trim() + "!"	
System.out.println(k);	
(k)	
System.out.println(m.compareTo(s));	
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2. The Alphabetize class below, alphabetizes three words. Consider the following examples. Write the Alphabetize class.

Values of Strings s1, s2, and s3 before	Values of s1, s2, and s3 after		
String s1 = "cat";	String s1 = "car";		
String s2 = "car";	String s2 = "cat";		
String s3 = "dog";	String s3 = "dog";		
String s1 = "dog";	String s1 = "car";		
String s2 = "cat";	String s2 = "cat";		
String s3 = "car";	String s3 = "dog";		

```
public class Alphabetize{
     public static void main(String args[]){
    }
```

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3. Write an algorithm that could be used to count the number of times a string occurs in another string. Consider the examples below¹. This algorithm requires that you incorporate a loop along with the *substring()* and *length()* methods. Feel free to use other methods as necessary.

String to search	String to find	Occurrences
BAAB	AA	1
AAAAA	AA	2
AABABABAA	ABA	2
ABBAABB	ABA	0

public class FindOccur{

<pre>public static void main(String args[</pre>]])		{	ĺ
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4. The *removeSub* class below removes string from another string and composes the result. If the substring is not found the original string is returned. Consider the examples below,

String to search	Substring to remove	Result
ABAAAAABAAAABA	ABA	AAAAA
ABAAAAABAAAABA	ABAA	AAAAABA
ABAAAAABAAAABA	AABAA	ABAAAAAABA
АВАААААВААААВА	ACA	ABAAAAABAAAABA

```
You must use the scanner methods setDelimiter() and hasNext() in your solution.
public class removeSub{
     public static void main(String args[]){
     Scanner sc = new Scanner("ABAAAAABAAAABA");
     String delimiter = /*some substring to be removed*/
     }
}
```