

Computer Science 12 AP

Reading Code – Strings Method Practice

//1

```
String word = "hello there mom";  
System.out.println( word.substring(4,8) );
```

//2

```
word = "hello there mom";  
String newword = word.substring(6) + " " + word.substring(0,5);  
System.out.println( newword );
```

//3

```
word = "hello there mom";  
int x = 8; //or userInput  
String s = word.substring(x, x+1);  
System.out.println(s);
```

//4

```
word = "The cat jumped over the fence"; //watch the range of the loop here!  
int count=0;  
for(int i=0; i<word.length()-3; i++){  
    String m = word.substring(i, i+1);  
    if (m.equals("e") == true)  
        count++;  
}  
System.out.println(count);
```

//5

```
word = "volley ball";  
int y = word.indexOf(" ");  
word = word.substring(0,y) + word.substring(y+1);  
System.out.println(word);
```

//6

```
word = "Mr. Toughguy";  
int p = word.indexOf(".");  
String name = word.substring(0,p+1) + " " + word.substring(p+2, p+3);  
System.out.println(name);
```

```
//7
word = "Geireles Roceek";
String phrase=""; String letter;
for (int i=0; i<word.length(); i++){
    letter = word.substring(i,i+1);
    if (letter.equals("e") == false)
        phrase = phrase + letter;
}
System.out.println(phrase);
```

```
//8
String number = "54321";
String newnumber = "";
for (int i=number.length()-1; i>=0; i--)
    newnumber = newnumber + number.substring(i, i+1);
System.out.println(newnumber);
```

```
//9
word = "hi there";
if (word.compareTo("z") > 1)
    System.out.println("Ball");
else
    System.out.println("Dog");
```

```
//10
word = "jeaovmzfv";
int c = 0; String st;
do{
    st = word.substring(c, c+1);
    if (st.compareTo("m") > 0)
        System.out.println(st);
    c++;
}while( c < word.length() );
```

```
//BONUS Describe in words what this code segment does...
String alpha = "abcdef";
word = "";
int pos;
Random R = new Random();
for(int i=1; i<=6; i++){
    pos = R.nextInt( alpha.length() );
    word = word + alpha.substring(pos, pos+1);
    alpha = alpha.substring(0,pos) + alpha.substring(pos+1);
}
System.out.println(word);
```