

King Saud University College of Computer and Information Sciences Computer Science Department	
CSC 111 Introduction to Programming with Java	First Semester 1440-1441

Tutorial # 5

Q1. Given a string *str*, write statements to do the following:

- Print the string ***str*** after adding double quotations.
- Print the string ***str*** after removing all spaces.
- Print the middle character.
- Print the string ***str*** after converting the first character to uppercase.
- Print the string ***str*** after converting the last character to uppercase
- Assume ***str***="14.7", write a statement to assign the value of *str* to variable ***num*** of type double.

```
System.out.printf("\""+str+"\"");
System.out.printf("%n%s%n", str.replace(" ", ""));
System.out.println(str.substring((str.length()/2), (str.length()/2)+1));
;
System.out.println((str.substring(0,1)).toUpperCase()+str.substring(1));
;
System.out.println(str.substring(0, str.length()-1)+str.substring(str.length()-1).toUpperCase());
str = "14.7";
double num = Double.parseDouble(str);
```

Q2. Given the following declarations:

```
String str = "csc 111 - java 1";
```

What is the output of the following statements:

```
System.out.println(str.indexOf('1')); 4
System.out.println(str.indexOf('1',5)+10); 15
System.out.println(str.charAt(9)); ~
System.out.println(str.substring(15,16).equals(str.substring(2,3))); false
System.out.println(str.substring(0,1).compareTo(str.substring(2,3))+1); 1
System.out.println("h".substring(0,1).concat("i"+" there")); hi there
System.out.println("Password".length()); 8
System.out.println("csc111".replace("111","113")); csc113
```

Q3. Find the errors in the following program and correct them:

```
import java.util.*;
public class FindErrors1{
public static void main (String[]args){
Scanner read = new Scanner(System.in);
System.out.println("Enter student name , student ID") ;
String name = read.next();
String ID = read.next();
String s1="student@ksu.edu.";
String s2="saudi";
Name = name.toUpperCase();
boolean b = name.equals("sara");
String email= ID.concat(s1.concat(s2.substring(0,2)));
char c = name.charAt(name.length()-1);
System.out.println(email);
}}
```

//String