King Saud University	
College of Computer and Information Sciences	
Computer Science Department	
CSC 111	**First Semester**
Introduction to Programming with Java	**1442-1443**

Tutorial #2

identifiers + Variables + expression

Due Date Saturday 24/1/1442 (12/9/2020)

Q1. State whether the following identifiers are legal or illegal. Indicate the error in the illegal cases.

Identifier	*Legal or Illegal*
x+y	
S5R	
_var1	
static	
$_var1	
final_price	
final price	
123SUM	

Q2. Correct the errors in the following code segment:

```
1 public class Tutorial2
2 {
3    public static void main (String[] args)
4    {
5       x = 5;
6       char ch = "A";
7       int y = 1.500;
8       double z = ;
9       System.out.println(Welcome to Java);
10   }
11 }
```

Q3. If `u = 2`, `v = 3`, `w = 5`, `x = 7`, and `y = 11`, what is the value of each of the following expressions, assuming int variables?

```
a. u + v * w + x
b. u + y % v * w + x
c. u++ / v + u++ * w
```

Q3. In each of the following code segment, show the variables values after the last statement execution:

a.
```java
int a, b;
double x, y;
a = 7 % 10;
x = 2.5 + 9 / 6 * 3.5 - 1;
b = ++a - 3;
y = x/2;
```

b.
```java
int sum;
int a = 3;
int b = 5;
double c = 17.4;
sum = a + b + (int)c;
c /= a;
b = ++a;
a*= 2 * b + (int)c;
```