Tutorial #2 BY RIYADH

Q1)

X + Y : illegal // + is an operator

S5R : legal

_var1 : legal

static : illegal // reserved word

$_var1 : legal

final_price : legal

final price : illegal // space, and reserved word “final”

123SUM : illegal // Begins with numbers

Q2)

From :

```
public class toturial2 {

      public static void main (String[] args) {

            x = 5;
            char ch = "A";
            int y = 1.500;
            double z = ;
            System.out.println(Welcome to Java);
      }

}
```

To :

```
public class toturial2 {

      public static void main (String[] args) {

            int x = 5;
            char ch = 'A';
            double y = 1.500;
            double z ; or z= value;
            System.out.println("Welcome to Java");
      }

}
```

Q3)

A. 2 + 3 * 5 + 7 = 2 + (15) + 7 = 24

B. 2 + 11 % 3 * 5 + 7 = 2 + 2 * 5 + 7 = 2 + 10 + 7 = 19

C. u++ / v + u++ * w = 2(now u+=1 , u=3) / 3 + 3(now u+=1, u=4) * 5
= 0(2/3 int = 0) + 15 = 15

Q4)

A.

```
int a, b;
double x, y;
a = 7 % 10; // A NOW IS 7
x = 2.5 + 9 / 6 * 3.5 - 1; X IS 5.0
b = ++a - 3; // B NOW IS 5 , A IS 8 BECAUSE ++a
y = x/2; // y is 2.5
```

a = 8 , x = 5.0 , b = 5 , y = 2.5

B.

```
int sum;
int a = 3; // a now is 3
int b = 5; // b now is 5
double c = 17.4; // c now is 17.4
sum = a + b + (int)c; // sum now is 25
c /= a; / c now is 5.8
b = ++a; / b now is 4 and a now is 4
a*= 2 * b + (int)c; // a now is 52 = 4(2*4+5)
```

a = 52 , b = 4 , c = 5.8 , sum = 25