**\_\_\_\_\_**

Suppose x, y, and z are int variables and x = 2, y=5, and z = 6.

What is the output of each of the following statements?

* System.out.println("x+y= " + (x + y));
* System.out.println("x" + " – y = " + (x-y));
* System.out.println(" sum of " + x + " and " + z +" is " + (x+z) );
* System.out.println("z \* x = " + (z \*x));
* System.out.println(z +"/" + x + "= " + (z/ x));

**Trace and** Find the errors in the following programs:

1. **public static void main( String args[] )  
    {   
    int n;   
    int N : three;   
    int sum-**1**;   
    n =** 10.5**;   
    sum = n + N:   
    System.out.println(**" Sum is "**+ sum);   
    }**
2. **public static void main( String args[] )  
    {   
    char c;   
    int N = 2, t**.4**;   
    n =** 3**;   
    c =** 'c' **+** 1**;**

**System.out.println(c);  
 N = ( (int)c +** 98 **);**

**System.out.println(N);  
 N+**3 **= n ;   
}**

**Given the following declarations :**

char c1 = 'a'; char c2 = 'x';

String s1 = "Saudi-Arabia" , s2 = "arab";

int n = 5;

**What is the output of the following?**

|  |  |
| --- | --- |
| 1. System.out.println(s1.charAt(n)); |  |
| 1. System.out.println(s1.replace( c1 , c2 )); |  |
| 1. System.out.println(s2.concat("ic" + s1)); |  |
| 1. System.out.println(s1.charAt(8)==s2.charAt(0)); |  |
| 1. System.out.println(s1.equals("Saudi Arabia")); |  |
| 1. System.out.println(s1.indexOf(s2) ); |  |
| 1. System.out.println(s1.indexOf(s2.substring(1,3) , 8) ); |  |
| 1. System.out.println(s1.length() - s2.length()); |  |
| 1. System.out.println(s1.substring( 6 , 12).toLowerCase()); |  |

1. ***Write program that read a string contains several words separated by , and print each word in new line.***