**Computer Programming Quiz 1**

**Name:**

**Student Number:**

**[1]-[7] What is the output of the following code fragment?**

**[1]**

int count = 0;

for( ; count < 9; ++count )

System.out.print( count + “ “ );

Answer:

**[2]**

int j;

for ( j = 10; j > 5; j-- )

{

System.out.print( j + “ “);

}

Answer:

**[3]**

int count;

for(count = 0; count < 9; count++)

{

System.out.print( count + “ “ );

count++;

}

Answer:

**[4]**

System.out.println(7 / 3 \* 1.2 + 3 / 2);

Answer:

**[5]**

System.out.println

(1 + 2 + “3” + 4 \* 2 + 5);

Answer:

**[6]**

public static void main(String[] ar){

int x = 10;

int y = 20;

y = modify(x, y);

System.out.println(x + y);

}

public static int modify(int x, int y)

{

x = y – 5;

return x;

}

Answer:

**[7]**

public static void main(String[] ar)

{

int x = modify(6 / 3.0);

System.out.println(x);

}

public static int modify(int x)

{

x += 5;

return x;

}

Answer:

**[8] Write a single line code that prints exactly same output as the fragment using another method in System.out.**

System.out.println(“CP quiz.”);

Answer:

**[9] Which of the following is NOT the name of a Java primitive data type?**

A. int

B. char

C. double

D. String

Answer:

**[10] A \_\_\_\_\_\_ is a program that converts commands in high level languages to lower level (e.g. machine) language instructions.**

Answer:

**[11] \_\_\_\_\_\_ is the set of legal structures and commands that can be used in a particular language.**

Answer:

**[12] A \_\_\_\_\_ specifies the definition of a particular kind of object.**

Answer:

**[13] A \_\_\_\_\_ method denotes the structure of a program and eliminates redundancy by code reuse. Writing it in Java is like adding a new command.**

Answer:

**[14] How many lines will be printed out when the following code runs?**

public static void main(String[] ar)

{

dothis();

dothat();

System.out.println(“Main finished!”);

}

public static void dothis()

{

System.out.println(“This finished!”);

}

public static void dothat()

{

System.out.print(“ That finished!”);

dothis();

}

Answer:

**[15] Which of the following is/are NOT included as a keyword in Java?**

A. boolean

B. char

C. dynamic

D. for

E. to

Answer:

**[16]-[19] The following program asks the user for two integers, X and Y, and then adds up all the integers (inclusive) between them. Fill in the blanks (using a single line of code).**

**(Code)**

import java.util.Scanner;

Scanner scan = new Scanner(System.in);

int sum = **[16]**; // current sum

System.out.println(“Enter start of range:”);

int X = scan.nextInt();

System.out.println(“Enter end of range:”);

int Y = scan.nextInt();

int count = X;

for (; count **[17]** Y ;) {

sum = **[18]** ;

count = **[19]** ;

}

System.out.println(“sum is:” + sum);

Answer for 16:

Answer for 17:

Answer for 18:

Answer for 19:

**[20] In the lab session, we have discussed a problem about getting integer as an input. In the code below, the problem remains. Add a single line of code that solves this problem.**

**(Code)**

import java.util.Scanner;

Scanner scan = new Scanner(System.in);

System.out.print(“Enter your age: “);

int age = scan.nextInt();

**[Answer for 20]**

System.out.println(“Is “ + age + “

correct? Enter your answer: “);

String ans = scan.nextLine();

System.out.println

(“This is the end of this quiz. Bye!”);

**(Correct Output)**

Enter your age: ***29***

Is 29 correct? Enter your answer:

***Yes***

This is the end of this quiz. Bye!

**(Incorrect Output)**

Enter your age: ***29***

Is 29 correct? Enter your answer:

This is the end of this quiz. Bye!

Answer: