

## WIX1002 Fundamentals of Programming

### Tutorial 2 Java Fundamental

1. Display the sentence Faculty of Computer Science and Information Technology.
  - a. In one line using multiple Java statements
  - b. In multiple lines using one Java statement
2. Write a Java statement that print "SDN" - Software-defined networking
3. Correct the error for the following statements.
  - a. `System.Println("Java Programming");`
  - b. `System.in.println("Introduction to Java!")`
  - c. `System.out.println("\t is the horizontal tab character");`
  - d. `system.out.println("Java is case sensitive!" );`
4. Write statements for each of the following
  - a. Declare a variable that used to store the value of a matric number.
  - b. Declare a variable that used to store the value of  $\pi$ .
  - c. Initialize a variable named M with the value set to false.
  - d. Initialize a variable named P with the value set to 8800000000.
  - e. Initialize a variable named letter with the value set to U.
  - f. Declare a constant variable named PRO. The value of the constant variable is Java.
5. Correct the error for the following statements.
  - a.

```
final double AMOUNT = "32.5";
AMOUNT += 10;
System.out.println("The amount is " + AMOUNT);
```
  - b.

```
string chapter = 'Summary';
System.out.println(chapter);
```
  - c.

```
int num;
++num++;
num1 = num;
```
  - d.

```
int num = 3000;
System.out.printf("%4.2f\n", num);
```
  - e.

```
String contact;
```

```
Scanner keyboard = new Scanner(System.out);  
contact = keyboard.nextLine();
```

6. Write a java program that print the circumference of a circle. The input of the program is diameter. Display the result in three decimal places. (Note  $\pi = \text{Math.PI}$ )

**Enter diameter: 11.8**

**The circumference of the circle is : 37.071**

7. Write a java program that converts inches to meters. (Given 1 inch equals to 2.54 centimeters). Print the output in two decimal places.

**Enter value in inch: 20.17**

**20.17 inches = 0.51 meters**