

Week 2 Lab

1. WAP to swap two numbers using temporary variable.

Hint: If a variable has value 5 and another variable has value 10, then swap the value of one variable to another using another variable.

2. WAP to swap two numbers without using temporary variable.

*Hint: If a variable has value 5 and another variable has value 10, then swap the value of one variable to another **without** using another variable.*

3. State the different types of comments used in JAVA programming and how it should be used.
4. State and explain different types of data types used in JAVA programming.
5. List the different types of operators used in JAVA programming.
6. Write a Java program to convert temperature from Fahrenheit to Celsius degree.
7. What is the purpose of System.out.println() method ?
8. What is the different between = and ==?
9. Write the syntax to declare the variable.

10. Find out the errors in the following code:

```
pubic class MyClass {  
    Public void min(String[] arguments{  
        A = 10;  
        String name = "Test";  
        int total = name + 10;  
        System.out.println(Test);  
        System.out.print(tot);  
    }  
}
```

11. Find the errors in the following code:

```
public class Addition.{  
    public static void main(Args[] string){  
        system.Out.println("Printing...");  
  
        int = 10;  
        int = 20;  
        c = a + b;  
        system.Out.println(c);  
    }  
}
```

12. Are the following statement legal? Justify.

- a) char c = 'a';
- b) int i = c + 10;
- c) String name = "Pawan";
- d) String char = "Darwin";
- e) String place = 'Kathmandu';
- f) int 1 = 5;
- g) String five = 3;

- h) `String lname = "Harry";`
- i) `char b = '45';`
- j) `int num = five;`
- k) `int salary = 10,000;`
- l) `String _email = "xyz@gmail.com";`