

Code Assignment

Basic

All problem should be solve in Java Programming language. Myanmar(Burmese) language is prefer.

When you Summit

1. create new folder in your repository called “week 1”
2. Inside “week1” create folder for each program
3. Each program should include **one or more .java source file** and **one .txt explanation paragraph file**.

Using Java

You may use your IDE or anything to solve the program. If in command line here are some useful commands. But prefer IDE to make easy.

1. Java -version Check your JVM Java Version
2. Javac – version Check your Java Compiler Version
3. javac <.javaFile> Compile .java file to .class byte code
4. java <.classFile> Run .class file in JVM

Program(1)

Output => “Hello World <Your Name>” => 1000 times

Write a program and explain line by line with a paragraph in Myanmar(Burmese) language.

Program(2)

Output=>

```
*
**
***
****
*****
```

Write a program and explain line by line with a paragraph in Myanmar(Burmese) language.

Program(3)

In Main Method =>

```
public static void main(String[] args) {
    int valueOne = 10;
    int valueTwo = 5;

    Calculator myCalculator = new Calculator();

    int addResult = myCalculator.add(valueOne, valueTwo); // Output => 15
    int subValue = myCalculator.sub(valueOne, valueTwo); // Output => 5
    int mulValue = myCalculator.mul(valueOne, valueTwo); // Output => 50
    int divValue = myCalculator.sub(valueOne, valueTwo); // Output => 2

    System.out.println("add : " + addResult);
    System.out.println("sub : " + subValue);
    System.out.println("mul : " + mulValue);
    System.out.println("div : " + divValue);
}
```

Implement the required class Calculator and it's methods and explain with a paragraph in Myanmar(Burmese) And OR English language.

Program(4)

Check the following code =>

```
public class Apk {
    public static void main(String[] args) {
        superMethod();
        Apk myApk = new Apk();
        myApk.hyperMethod();
        int return = ultraMethod();
        System.out.println(return);
    }

    public void superMethod(){
        System.out.println("This is super Methods....");
        return "Hiper Methods";
    }

    public int hyperMethod() {
        System.out.println("This is hyper Methods....");
    }

    public static String ultraMethod() {
        System.out.println("This is ultra Methods....");
        return 234;
    }
}
```

This program exists with error, try to solve the error and explain why error and how did you solve it with a paragraph in Myanmar(Burmese) And OR English language.

Program(5)

Check the following code =>

```
public static void main(String[] args) {
    String[] studentNames = new String[10];
    studentNames[0] = ....
    //complete yourself to assign 10 students name

    for(int i = 0; i < studentNames.length;i++) {
        if(studentNames[i] == "<Your_Name_Here>") {
            System.out.println("I'm " + studentNames[i]);
            System.out.println(" and my Index is : " + i);
        }
    }
}
```

Complete the program and explain line by line with a paragraph in Myanmar(Burmese) And OR English language.

Program(5)

In Main Methods =>

```
public static void main(String[] args) {
    int[] numArray = {34,54,64,42,34,56,44,65,87,23,57,74};
    int biggestNumber = biggestNumber(numArray);
    int smallestNumber = smallestNumber(numArray);
}
```

Implement the required methods and explain with a paragraph in Myanmar(Burmese) And OR English language. You may use anyway to implement these two methods. biggestNumber is to find biggest number in the array and smallestNumber is for smallest number.

Program(6)

Write a program that demonstrate difference between while loop and do while loop. Explanation not required.

Program(7)

Write a program that demonstrate method overloading. Explanation not required.