

TP INFO 4067

Nom : Tomdieu TchadieuKo Ivan Gottfried

Matricule : 20U2947

Exercice

Singleton Pattern: Singleton Class

- Diagram UML

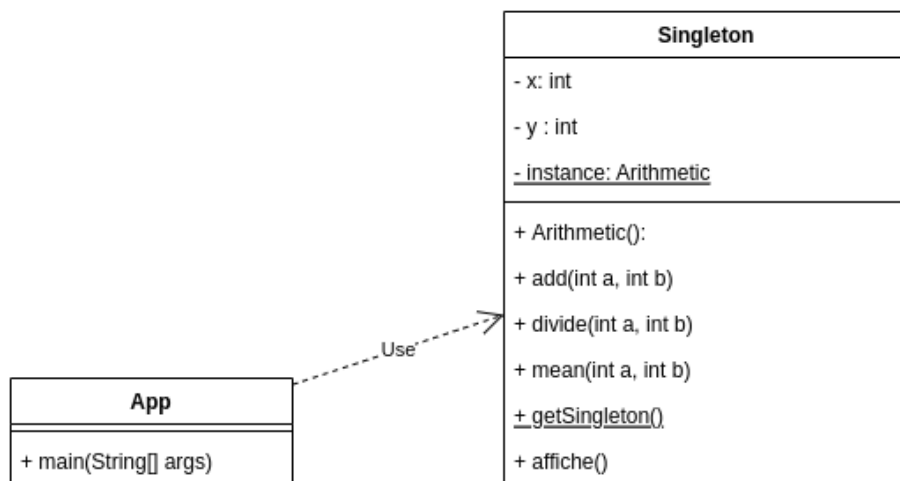


Figure 1: Image Du Diagram UML

- Code

```

package com.singleton;

public final class Singleton {
    private static Singleton instance = null;
    private int x;
    private int y;

    private Singleton() {
        super();
    }

    private Singleton(int x, int y) {
        this.x = x;
        this.y = y;
    }

    public static Singleton getInstance() {
        if (instance == null) {
            instance = new Singleton();
        }
        return instance;
    }

    public static Singleton getInstance(int x, int y) {
        if (instance == null) {
            instance = new Singleton(x, y);
        }
        return instance;
    }

    public int somme(int x, int y) {
        return x + y;
    }

    public float moyenne(int x, int y) {
        return somme(x, y) / 2;
    }

    public void affiche() {
        System.out.println("\nJe suis une instance mes\n" +
            "valeurs sont x = " + x + " y = " + y);
    }

    @Override
    public Object clone() throws CloneNotSupportedException {
        throw new CloneNotSupportedException();
    }
}

```

Figure 2: Image Du Code