Hw 04. Calculator

```
C:\Users\USER\Documents\ESPE\2do semestre\POO>dir
 Volume in drive C is Windows
 Volume Serial Number is F206-EAF5

 Directory of C:\Users\USER\Documents\ESPE\2do semestre\POO

05/15/2023  08:27 PM    <DIR>          .
05/15/2023  08:27 PM    <DIR>          ..
05/15/2023  09:13 PM               465 Cone.class
05/15/2023  09:13 PM             1,027 ConeMain.class
05/15/2023  09:13 PM               734 ConeMain.java
05/11/2023  10:12 PM    <DIR>          ESPE2305-OOPCodeCrafters9642
05/03/2023  09:30 PM            17,447 Silabo.pdf
05/10/2023  01:44 PM           344,284 WS.Screenshot.Evidence(Jhordy Marcillo).pdf
               5 File(s)        363,957 bytes
               3 Dir(s)  58,921,619,456 bytes free

C:\Users\USER\Documents\ESPE\2do semestre\POO>javac ConeMain.java

C:\Users\USER\Documents\ESPE\2do semestre\POO>java ConeMain
The cone with characteristics 5m radius and 10m height
has a volumen: 261.79938779914943m

C:\Users\USER\Documents\ESPE\2do semestre\POO>
```

ConeMain - Notepad

File Edit Format View Help

```
class Cone {
    private double radius = 5;
    private double height = 10;

    public Cone(double radius, double height) {
    }

    public double calculateVolume() {
        double baseArea = Math.PI * Math.pow(radius, 2);
        double volume = (1 / 3) * baseArea * height;
        return volume;
    }
}

public class ConeMain {
    public static void main(String[] args) {
        double coneRadius = 0.0;
        double coneHeight = 0.0;

        Cone myCone = new Cone(coneRadius, coneHeight);
        double volume = myCone.calculateVolume();

        System.out.println("The cone with characteristics 5m radius and 10m height");
        System.out.println("has a volumen: " + volume + "m");
    }
}
```