Week 01 : Programming Assignment 2

Due on 2025-02-06, 23:59 IST

Write a Java program to calculate the volume of a cylinder given its radius and height.

Formula:

$V = \pi \times r^2 \times h$

You can use Math.PI for the computation.

NOTE:

The code you see is **not complete**.

Your task is to complete the code as per the question.
Think of it like a programming puzzle.

(This question can be solved in just one line of code)

(**Ignore presentation errors** for this and all future programming assignments)
("*passed with presentation error*" means **you will get full marks**)

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	1 1	Volume is: 3.14	Volume is: 3.14	Passed

The due date for submitting this assignment has passed.
1 out of 1 tests passed.
You scored 100.0/100.

Assignment submitted on 2025-02-01, 21:04 IST

Your last recorded submission was :

```java
import java.util.Scanner;

public class W01_P2 {
    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        double radius = in.nextDouble();
        double height = in.nextDouble();
// Calculate the volume
        double volume = Math.PI * Math.pow(radius, 2) * height;
// Display the result
    System.out.printf("Volume is: %.2f", volume);
    in.close();
  }
}
```

Sample solutions (Provided by instructor)

```java
import java.util.Scanner;

public class W01_P2 {
    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        double radius = in.nextDouble();
        double height = in.nextDouble();
double volume = Math.PI * radius * radius * height;
// Display the result
    System.out.printf("Volume is: %.2f", volume);
    in.close();
  }
}
```