# Assignment-10

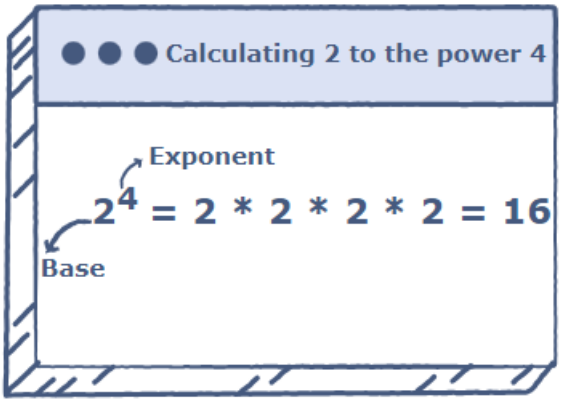
30/08/2023

## Assignment-1:

## 1)Usage of pow( ) present in Math class?

-> The **Math.pow()** is an built-in method in Java **Math** class and is used to calculate the power of a given number.

The **power** of a number refers to how many times to multiply the number with itself.




**Example:**

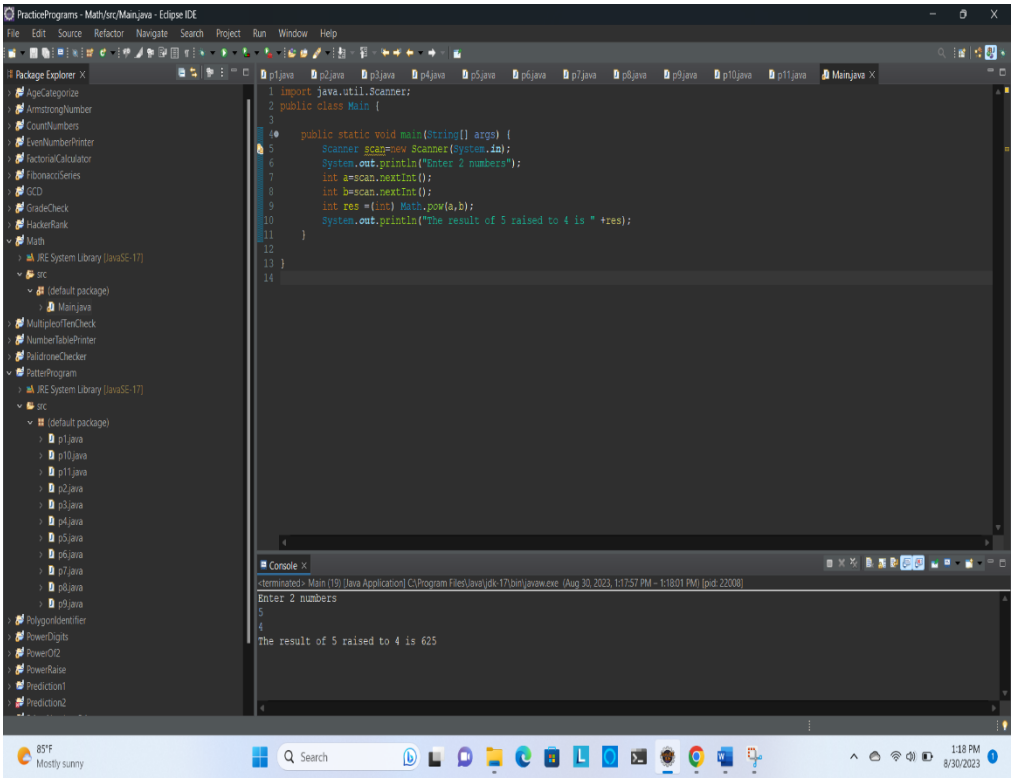



**Fig:**eg for pow()in Math

## 2) Complete description of random() ?

→ The **java.lang.Math.random()** method returns a pseudorandom double type number greater than or equal to 0.0 and less than 1.0. When this method is first called, it creates a single new pseudorandom-number generator, exactly as if by the expression new **java.util.Random.**

**Declaration:**

public static double random()

**Example:**

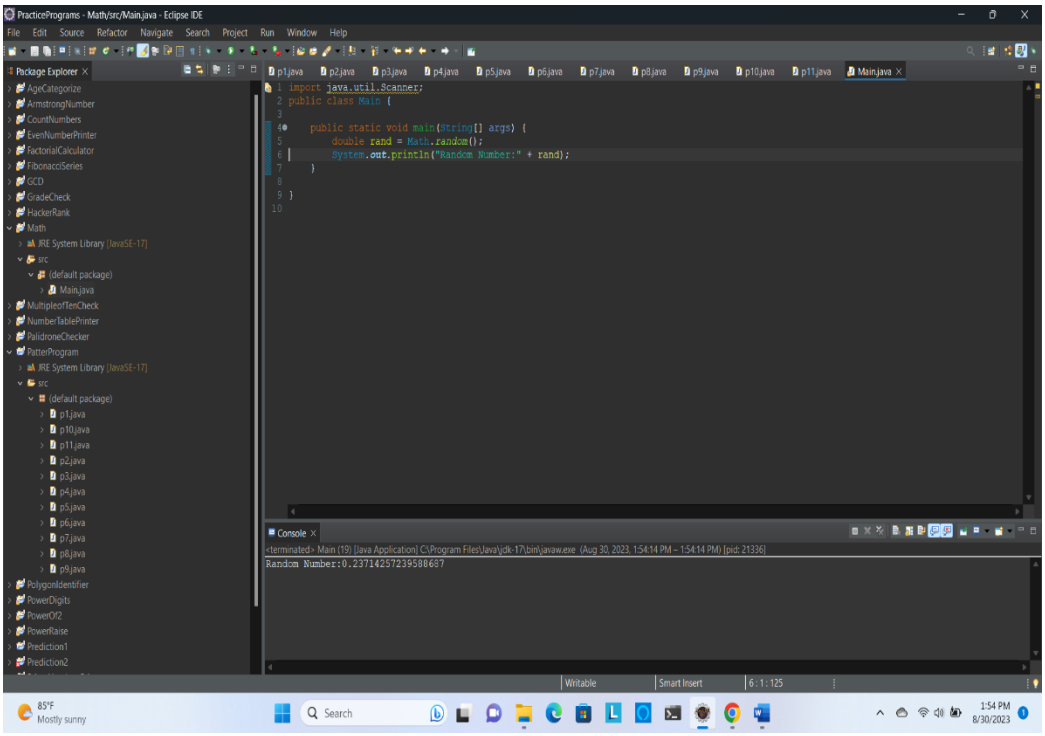



**Fig:** eg of random()

# Assignment-2

1) **What is the use of random class?**

➔ Random class is part of java. util package. Random class is used to generate pseudo-random numbers in java. An instance of this class is thread-safe. The instance of this class is however cryptographically insecure.

This class provides various method calls to generate different random data types such as float, double, int.

**Declaration:**

public class Random
extends Object
implements Serializable

**Methods:**

There are several methods like,

- java.util.Random.doubles():
- java.util.Random.ints():
- java.util.Random.longs():
- java.util.Random.nextBoolean():
  and so on.

**Example:**

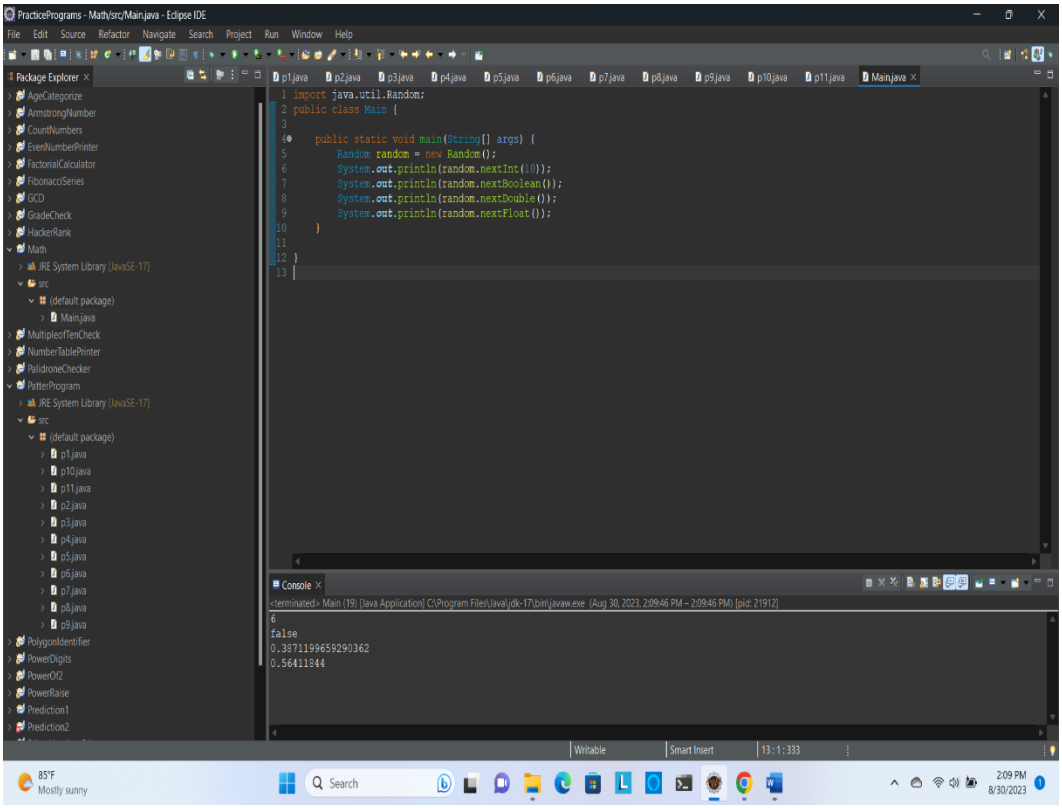



**Fig:** eg for random package

**THANK YOU SIR**
**KEEP SMILING ALWAYS & MAKE OTHERS TO SMILE**