KODNEST ASSIGNMENT 3

Submitted by

Name : YADHUKRISHNA MK

Email : yadhu8824@gmail.com

1. **What is the range of data you can store in double and float ?**
2. **How many digits permitted after decimal point in double and float ?**

In Java, the ***float*** and ***double*** data types are used to represent floating-point numbers. The ***float*** type is a single-precision 32-bit floating-point number, while the ***double*** type is a double-precision 64-bit floating-point number.

The range and precision of these data types are defined by the IEEE 754 floating-point standard, which Java adheres to.

For ***float***:

- Range: Approximately ±1.4E-45 to ±3.4E+38
- Precision: Approximately 6-7 decimal digits

For ***double***:

- Range: Approximately ±4.9E-324 to ±1.7E+308
- Precision: Approximately 15 decimal digits.

It's important to note that these are approximate values because the exact range and precision can vary slightly depending on the specific Java implementation.