**Class 3**

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# Java Founder

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# Basic core of OOP

1. Abstraction
2. Encapsulation
3. Inheritance
4. Polymorphism

# Java Data Type

1. Byte
2. Short
3. Int
4. Long
5. Float
6. Double
7. Char
8. Boolean

# Java Data Type in Four Groups

|  |  |  |  |
| --- | --- | --- | --- |
| **Group Name** | **Data Type** | **Range** | **Bit** |
| Integer | byte | -128 to 127 | 8 bit |
| short | -32,768 to 32,767 | 16 bit |
| int | -2,147,483,648 to 2,147,483,647 | 32 bit |
| long |  | 64 bit |
| Floating point number | float | to | 32 bit |
| double | to | 64 bit |
| Character | char |  |  |
| Boolean | boolean |  |  |