Assignment 1

1. Research about Value types and reference types.
   Compare Value types and reference types.
   Explain and Give example

<div align="center">Answer</div>

a. Value Types (Primitive Types) Stored in stack memory. They represent simple data types and include integers, floating-point numbers, characters, booleans, and more.
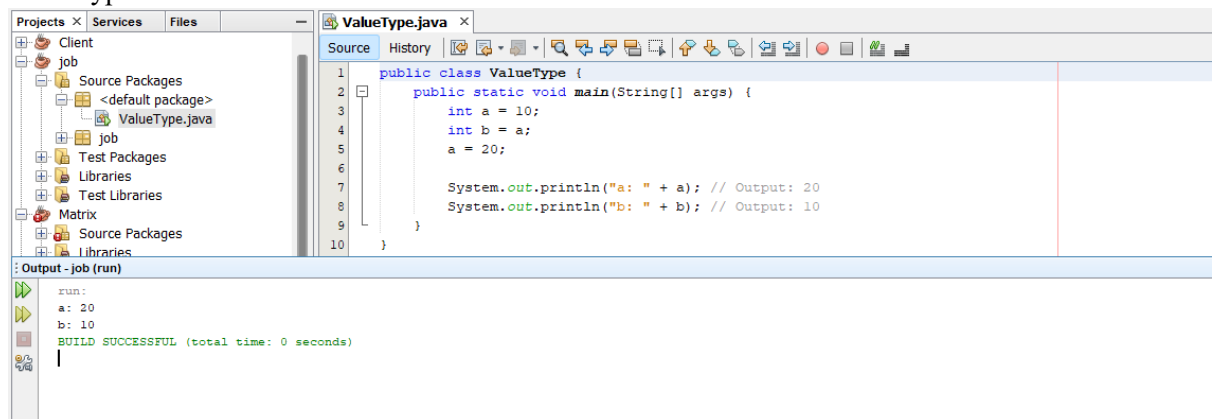Reference Types (Any else not primitive) variable holds a reference (memory address) to the actual object. Reference types include classes, arrays, interfaces, enums, and objects.
Reference types are stored on Heap.

There are many differences between the two, but the most noticeable is Variables of reference types store references to their data (objects), while variables of value types directly contain their data. With reference types, two variables can reference the same object; therefore, operations on one variable can affect the object referenced by the other variable.
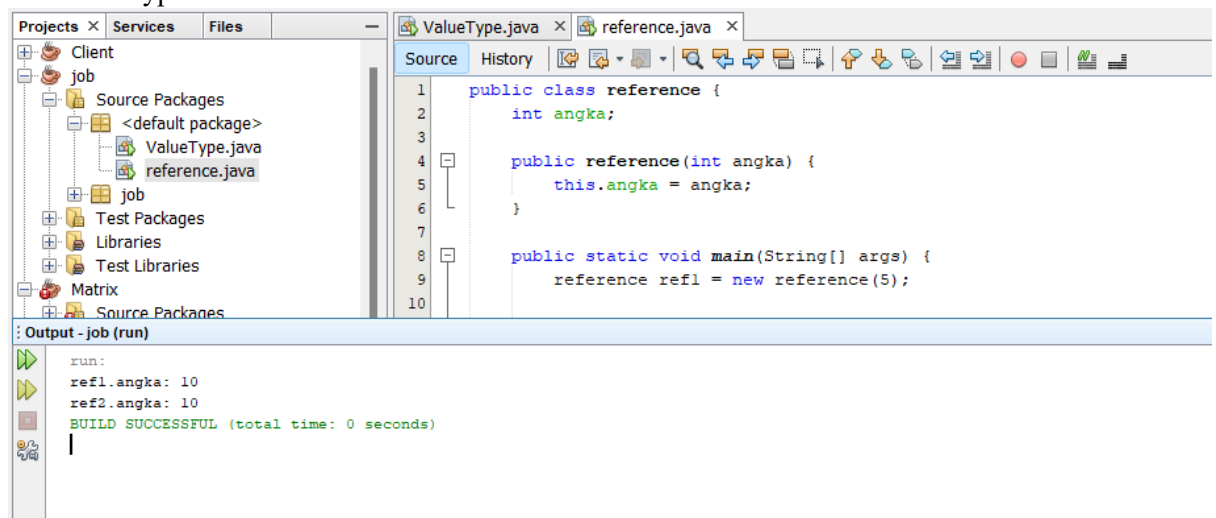
Example
Value type

Reference type