**Day 5\_Java Assignment**

**1. Problem Description:**

What is String Pool?

**2. My Solution:**

* The String pool is a memory area within the JVM used to store string literals, with corresponding references stored in the stack memory. When attempting to modify an existing string, a new string object is created, as strings are immutable in Java. This prevents duplicates. Additionally, any string created without the 'new' keyword is stored in the String constant pool memory.

**Example:**

**Storing string literals in the string pool**

String str1 = “Hello”; // String literal stored in the string pool memory

String str2 = “Hello”; // Here duplicates won’t allow, but there will be 2 different references to the same string

String str3 = new String(“Java”); // This String object created in the Heap memory.