

Name:

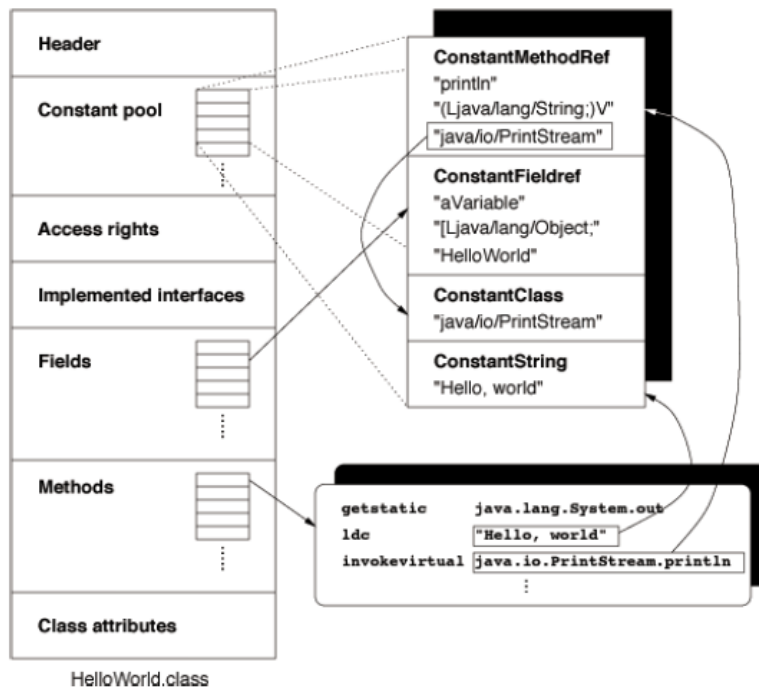
Student ID:

Compiler Construction, Spring 2022 Quiz 4

1. Given the JAVA HelloWorld code, please describe the **Constant Pool** and **Fields** sections of its JAVA class file. (3pt)

```
public class HelloWorld
{
    public static void main(String[] args)
    {
        System.out.println("Hello World!");
    }
}
```

Schematic Class File Structure



Constant Pool keep all the constants related to the Class or an Interface.
A field is an instance or a class level variable (property) of the class or interface.

2. Does JVM have registers to hold intermediate data values? (1pt)

The JVM has no registers to hold intermediate data values. The instruction set uses the Java stack for storage of intermediate data values