**Java Application performance**

1. **Memory contraints**
2. **Application speed**

**Design time aspects**

**Runtime aspects**

**Java code**

**JVM**

**Performance relies on java code and jvm**

**This course will be 80% on improving jvm performance**

**Java version 8 and 11 covered**

Using different JDKs and JVM vendors

Oracle JDK

OpenJDK

Structure of Course

1. How JVM runs your code
2. How JVM manages memory
3. Garbage collection and Heap analysis
4. Measuring performance
5. How programming choices impact performance
6. Future and other JVM languages

What happens inside JVM?

Java code to byte code (.class files)

Byte code then run by JVM