

---

# Selected New Java 15 Features



---

Shing-Chi Cheung  
Computer Science and Engineering  
HKUST

# Sealed Classes and Interfaces

- Offer finer access control to specify legitimate subclasses and implementation classes

```
public sealed class Animal permits Cat { ... } // only Cat can extend Animal
```

```
// Cat needs to specify whether it is non-sealed, sealed or final
```

```
public non-sealed class Cat extends Animal { ... }
```

```
public class Dog extends Animal { ... } // triggers a compilation error
```

# No Further Support of JavaScript Engine

- As a continual effort to reduce the size of Java packages
- The Nashorn JavaScript Engine and its API will be removed since Java 15
- The jjs tool will be no longer supported

# Support of Java 14 Preview Features

- Text blocks
- Pattern matching for instanceof
- Records
- ZGC: A scalable low-latency garbage collector
- Shenandoah: A low pause time garbage collector

# THE END OF JAVA LECTURES



**ARE YOU READY FOR THE CHALLENGE?  
SEE YOU IN FINAL EXAMINATION!**