

# Polymorphism (1A)

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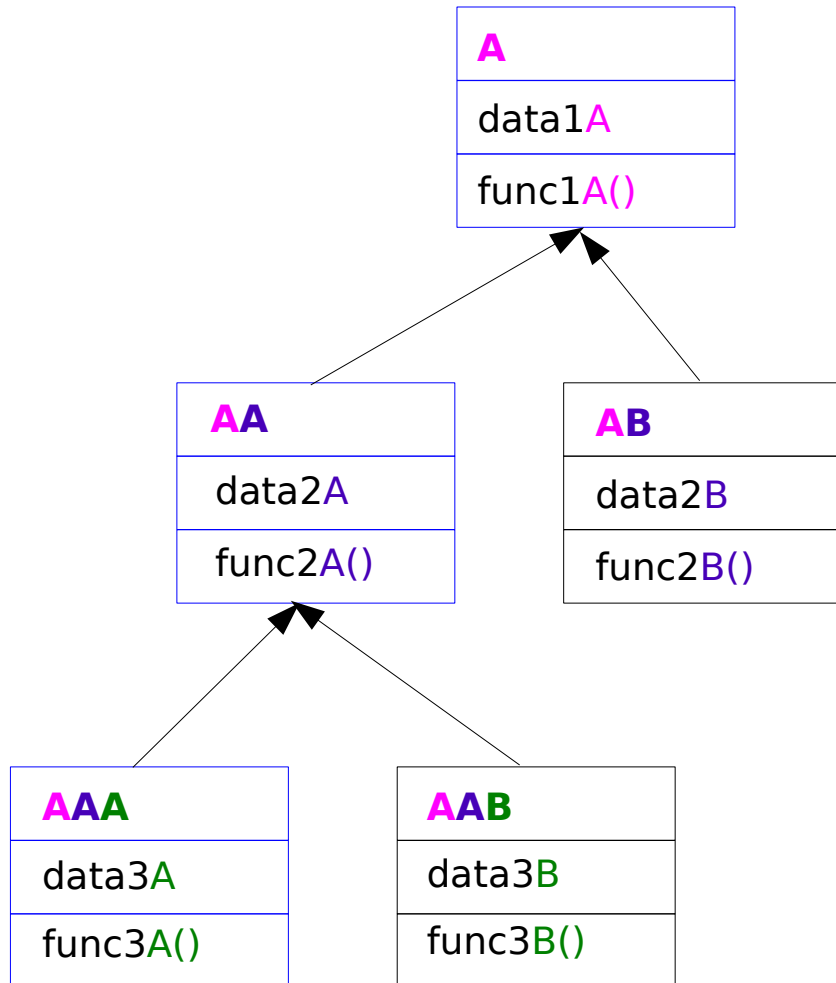
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# Class Structure



Class **A**

|          |
|----------|
| data1A   |
| func1A() |

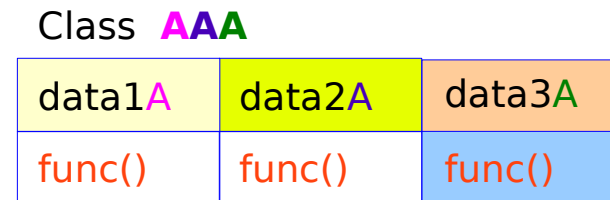
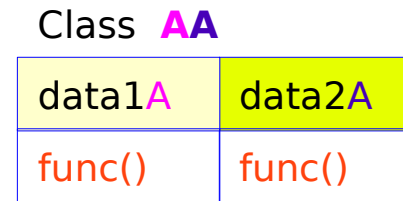
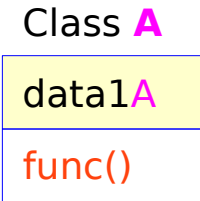
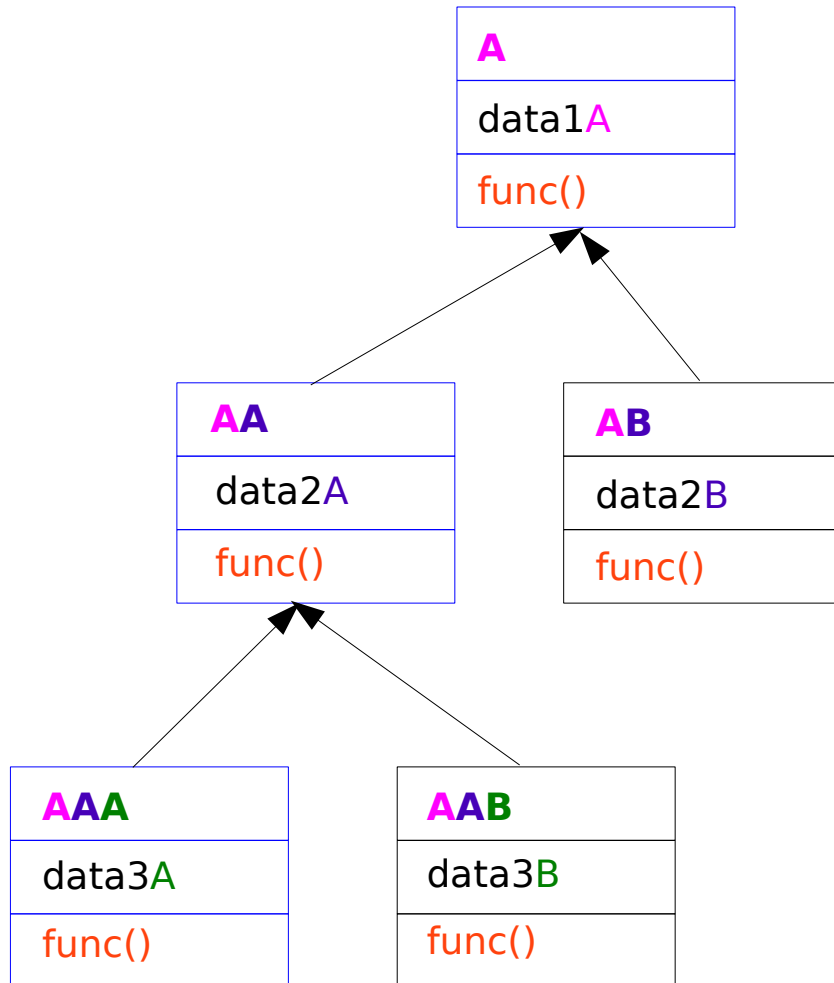
Class **AA**

|          |          |
|----------|----------|
| data1A   | data2A   |
| func1A() | func2A() |

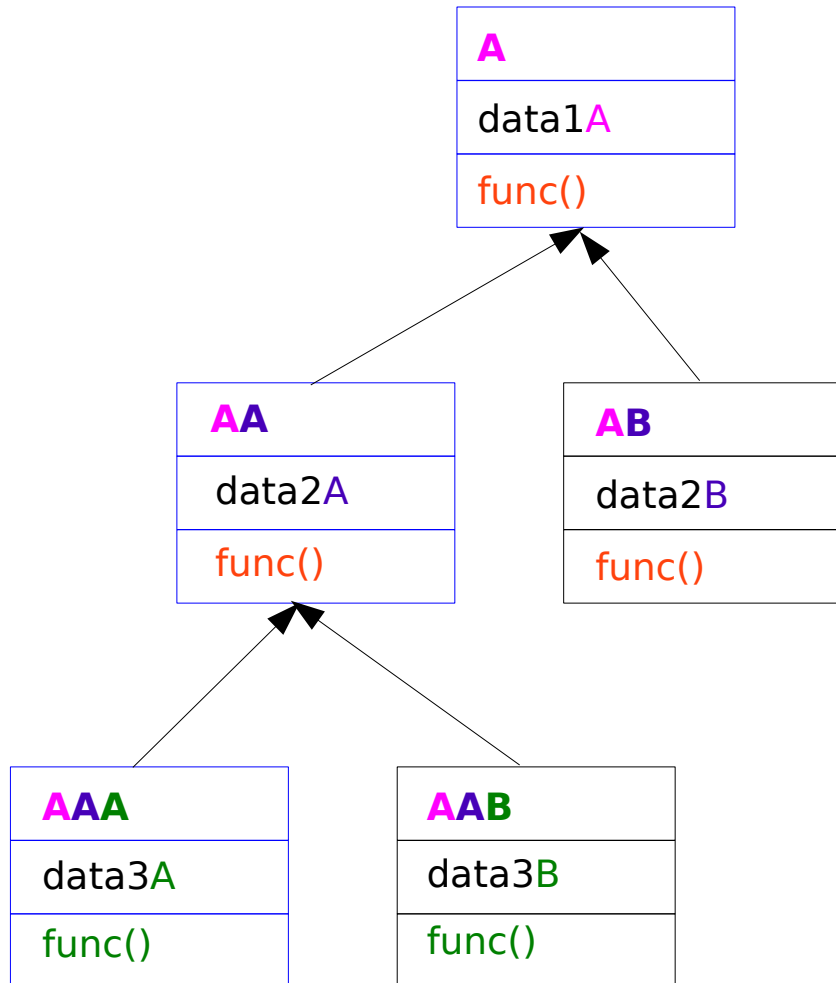
Class **AA**

|          |          |          |
|----------|----------|----------|
| data1A   | data2A   | data3A   |
| func1A() | func2A() | func3A() |

# Abstract Class (1)



# Abstract Class (2)



```
public abstract class A {
    public abstract void func();
    ...
}
```

```
public abstract class AA {
    public abstract void func();
    ...
}
```

```
public class AAA {
    public void func() {
        must be defined here.
    }
    ...
}
```

## References

- [1] Java in a nutshell, 4<sup>th</sup> ed, David Flanagan
- [2] An Introduction to Object-Oriented Programming with Java, C. Thomas, Wu
- [3] Power Java, I. K. Chun (in Korean)