

Polymorphism (1A)

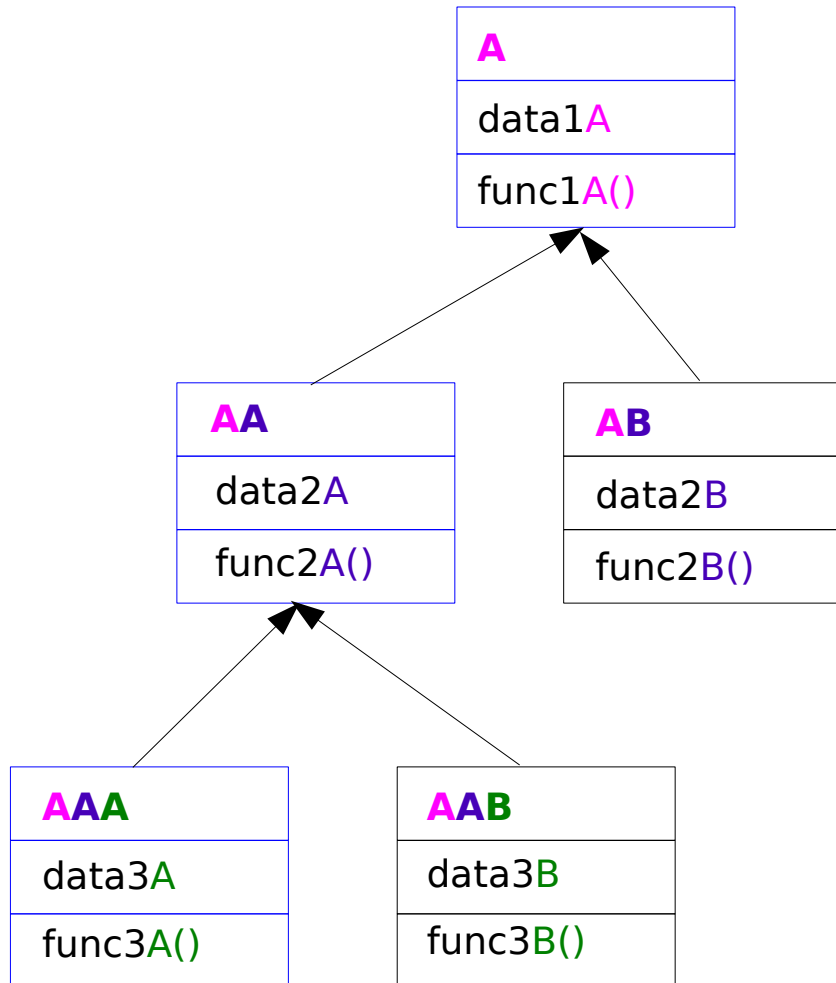
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Class Structure



Class **A**

<code>data1A</code>
<code>func1A()</code>

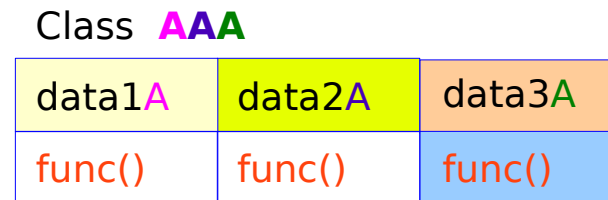
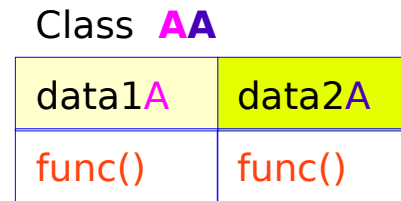
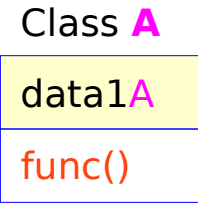
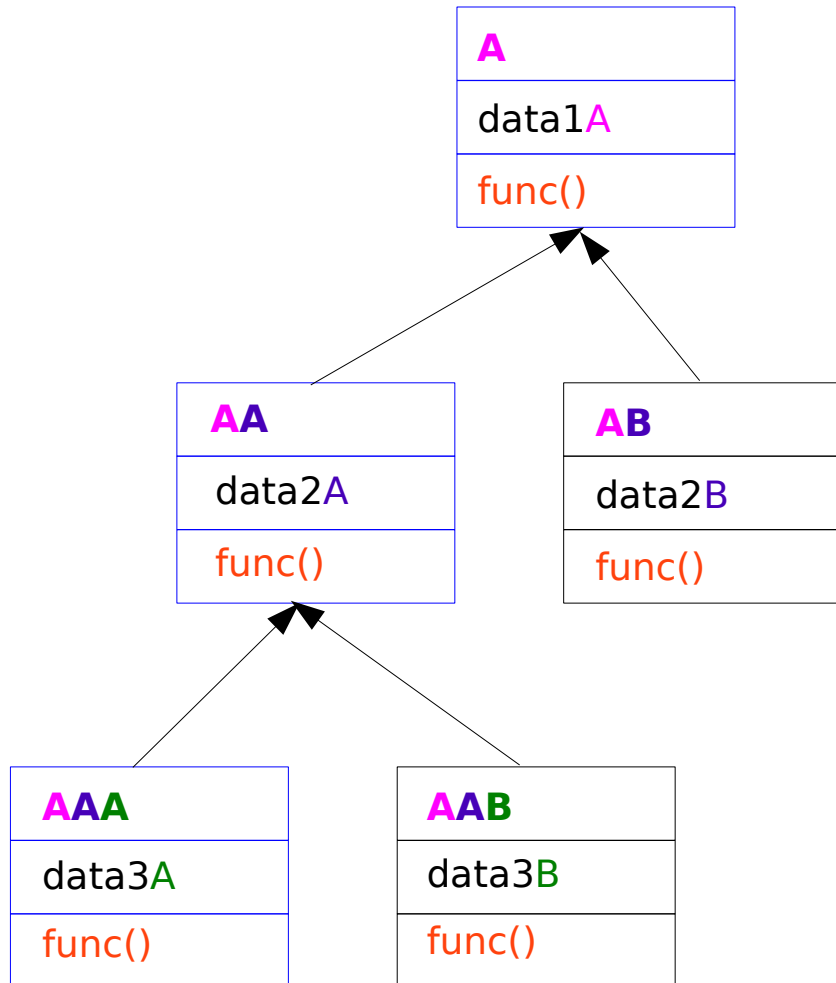
Class **AA**

<code>data1A</code>	<code>data2A</code>
<code>func1A()</code>	<code>func2A()</code>

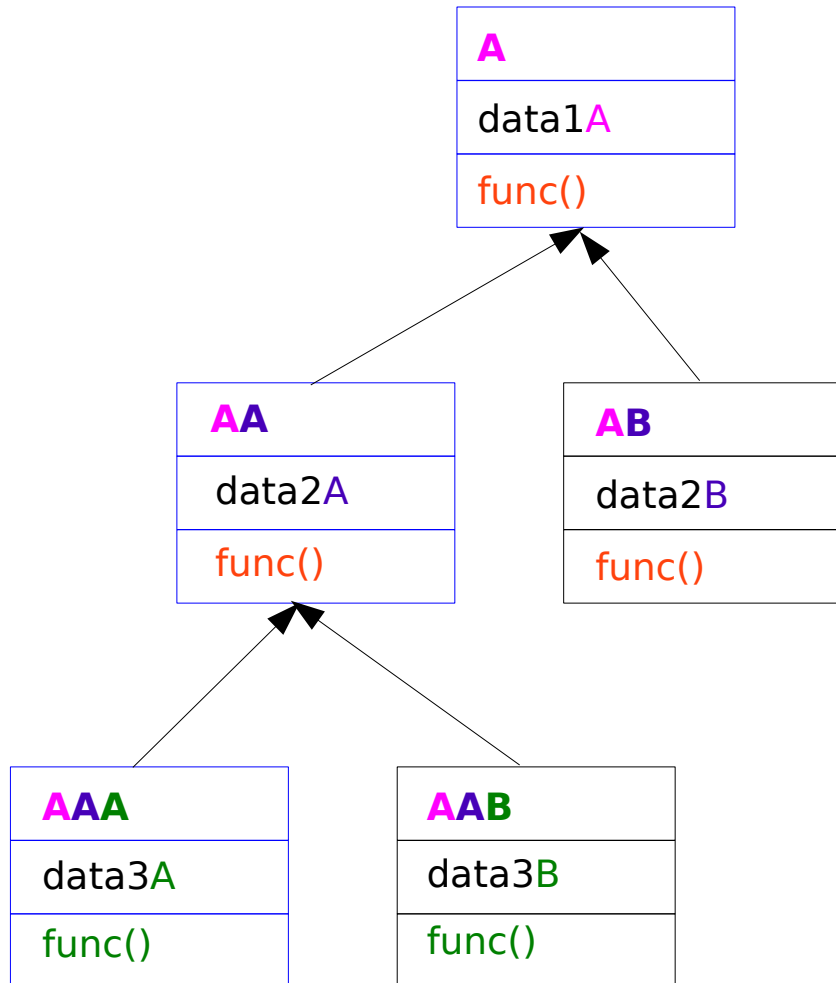
Class **AA**

<code>data1A</code>	<code>data2A</code>	<code>data3A</code>
<code>func1A()</code>	<code>func2A()</code>	<code>func3A()</code>

Abstract Class (1)



Abstract Class (2)



```
class A {
public:
    virtual void func() const = 0;
    ...
}
```

```
class AA public A {
public:
    virtual void func() const = 0;
    ...
}
```

```
class AAA public AA {
public:
    void func() {
        can be defined here.
    }
    ...
}
```

References

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