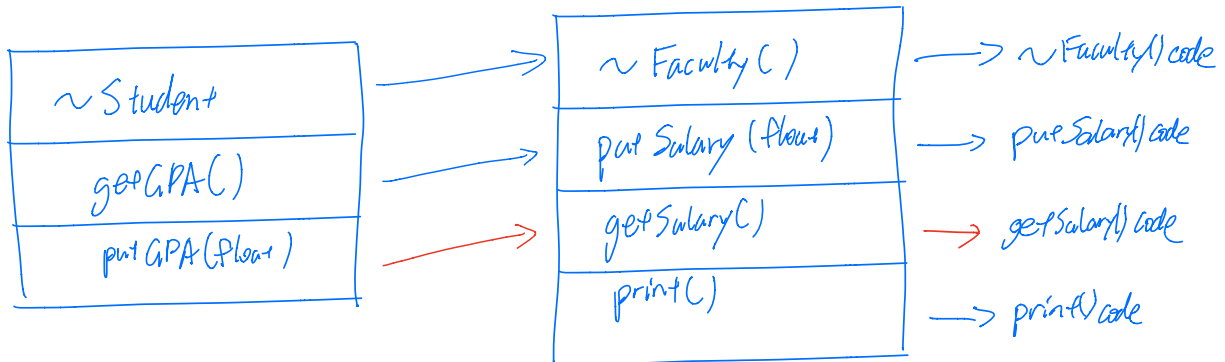


S → putGPA ( )

Faculty's getSalary ( ) is called

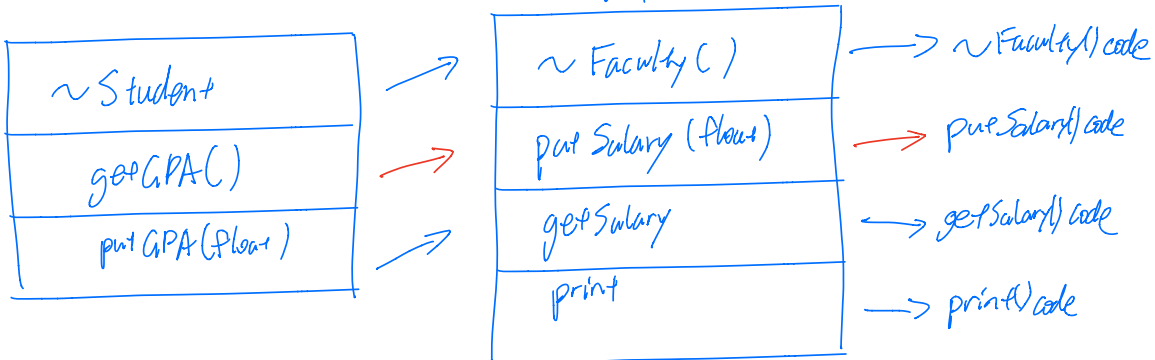
VFT



S → getGPA ( )

Faculty's putSalary ( ) is called

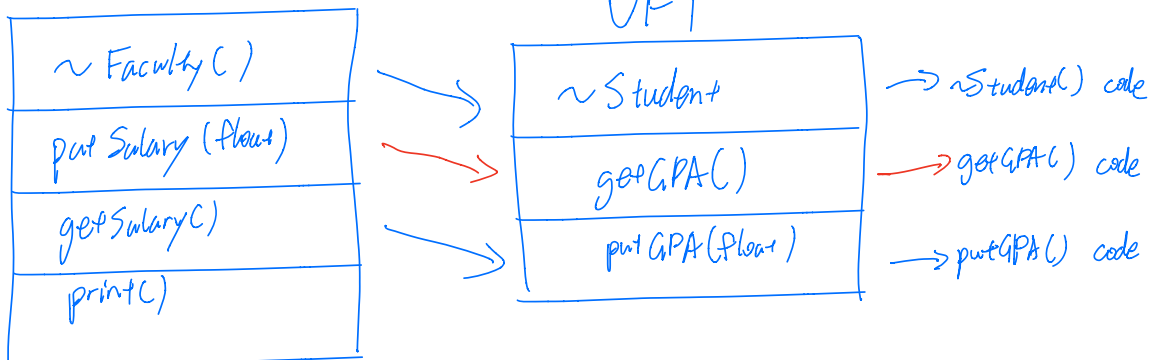
VFT

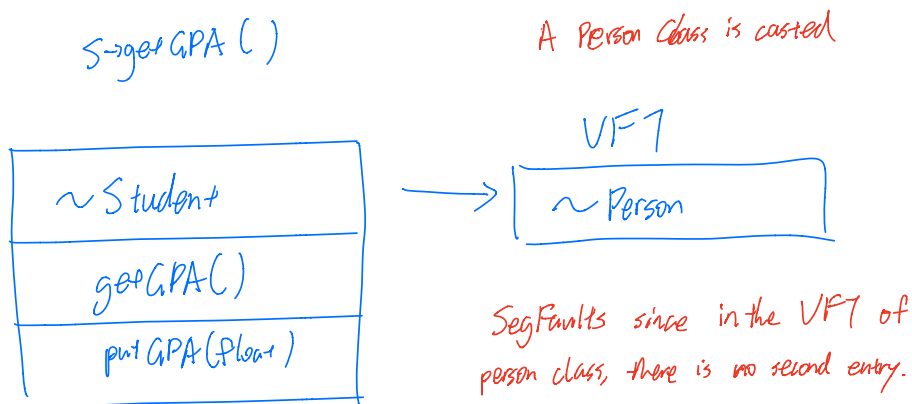
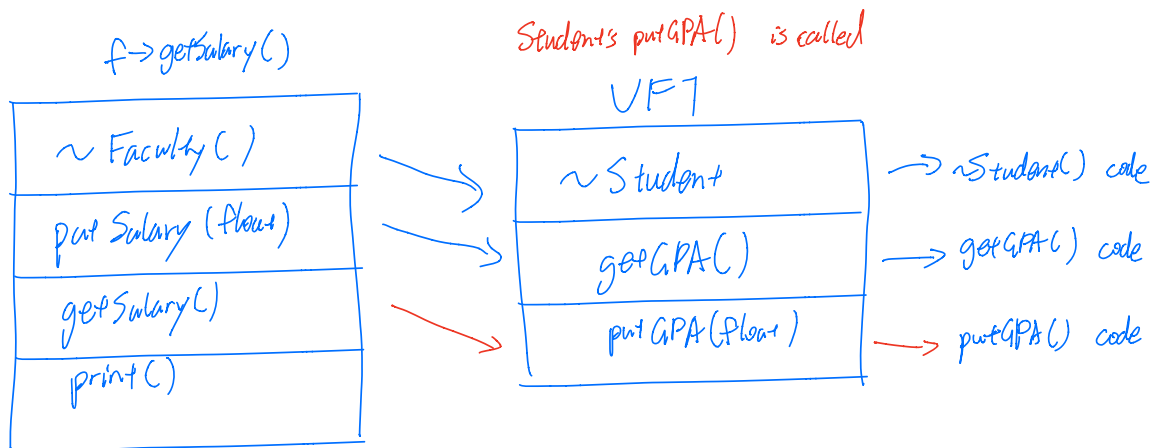


f → putSalary

Student's getGPA ( ) is called

VFT





When compiling `mainStaticCast.cpp`, following two lines of code gave an compile time error:

```
s = static_cast<Student*>(f);
f = static_cast<Faculty*>(s);
```

The last part with the void pointer gave an seg fault as before.

When compiling `mainDynamicCast.cpp`, only one line gave an compile time error :

```
s = dynamic_cast<Student*>(v);
```

However, casting `s` to `f` and `f` to `s` causes the pointer to be nullptr and caused seg fault when using  $\rightarrow$  operator.