```
ClassFileImpl
+ magic
+ minor_version
+ major version
+ constant pool count
+ constant pool
+ access flags
+ this class
+ super class
+ interface count
+ interfaces
+ field count
+ fields
+ method count
methods
+ attribute count

    attributes

+ is cp index()
+ is method index()
+ cp index is string()
+ cp index as string()
+ class_name()
+ super class name()
+ is interface()
+ is class()
+ interface names()
+ serialize()
+ deserialize()
            -m cf
     ClassWriter
- m data
+ ClassWriter()
+ serialize()
put u1()
put u2()
- put u4()
- put_n()
put cp info()
- put attribute info()
put field info()
put method info()
expect_cpool_entry()
```