# KeyCloak Analise

Here is that data for the Methods throughout the program

WMC (Weighted Methods per class): This program has an average of 1.6 and median of 1 with the maximum amount being 8 WMC. For WMC it is better to have the number in the range of 1-4 so it shows that the class is easy to learn and understand.

CBO (Coupling): This program has a average of 3.3 CBO, and 2 as a median, But the maximum value is 47 which is quite high.

RFC (Response Set): Program has 6.7 RFC, a 5 as Median, and 36 for Maximum Value. The large value can indicate that the class has a complex interaction with other parts of the system.

LOC(Lines of Code): The average lines per method was 7.9 with a Median of 6 and a maximum of 53.

Major Notes: with WMC average low and a small number of LOC, this means that the code is mostly simple and very understandable. But there are a few spots in the program where the complexity is extremely high. Classes like *SdJwtVPVerificationTest*, *SkeletonKeyTokenTest*, and *jose.jwk.JWKTest*.

The *HashTest* Class has an extremely high number in Coupling and show be prioritize in reducing its dependencies.