



First semester 2021/2022
Advanced software development
Homework Assignment # 4
ETA: 12 Oct midnight.

Part 1:

In the code below, the “edu.najah.it.capp.asd.service.Connection” class calls the `contercreate`(The implementation) classes in order to create/get objects for protocols (FTP, TFTP, SCP and SSH). Factory method pattern solves this problem so we want to create a `ProtocoleFactory` class that is used to create/get objects of the protocols.

<https://github.com/mkassaf/AdvancedSoftwareDevelopment/tree/main/Design%20Pattern/Factory%20Method>

Part 2:

1. Draw the class diagram for the Factory method in Part 1.
2. Which SOLID principle(s) is solved by the Factory method and how?

NOTE:

- Please submit your report in **pdf/docx** format.
- Please create your own repo in github and add your code to it, finally add me as collaborator (mustafakassaf@gmail.com) and share your repo link with your report.
- You are free to use any programming language you want.