Lab Report (Introduction to Functional Programming)

I/we the undersigned, promise that the submitted lab report is/are my/our own work. While I/we was/were

free to discuss ideas with others, the work contained is my/our own. I/we recognize that should this not be the case; I/we will be subject to penalties as outlined in the course syllabus.

(By typing in your name below, you agree to Academic Integrity and honesty)

Group Name:

Name:
Red-Id:

Name:
Red-Id:

Reflection:

Explain the idea of functional programming and compare it with the object-oriented approach.

Answer the following questions as related to your coding examples from class and exercises in the assignment:

1) What is a functional interface?
2) Compare Supplier and Consumer
3) What is an anonymous class and an anonymous function?
4) Explain in your best capacity Stream API
5) Compare Map, Reduce and Filter Operations