## Assignment #3 Answer Sheet

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Completed in Java JDK 16, using IntelliJ IDEA 2021.

Program files located in src/Main.java

1.

**Input:** abcdefghi jklmnopqrstuvwx

Output: Q TJ

**Input:** the birthday attack can be performed for any hash functions

including sha three

Output: ISCWK

2.

**Input:** the birthday attack can be performed for any hash functions

including sha three

Secret Key: UDKGNEUDHSKEUFG

Output: OPXUS

3.

**Hash value:** AAAAA

**Number of plaintexts:** 9