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**Report: Fundamental Concepts Of Cryptography Assignment 2**

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**Question One**

Consider **a mod b**  
Let,  
 **r =** some integer between **0** to **b – 1** inclusive  
 **d = gcd(a, b)**

**a – br** for some integer **r**.

Since **d** is divisible to **a** and **b**. Therefore, it is divisible to **a – br** and **b**.

# **Question Two**

# **Lessons Learnt And Challenges Encountered**

# **Description Of Source Coding**