# Data Integrity

1. Create Schema for UNBFCS

Graphical user interface, application

Description automatically generated

1. Expand Database and Select Tables

Graphical user interface, text, application

Description automatically generated

1. Create Table CS4415 with Specified Fields and Insert Values:

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application

Description automatically generated

1. Create CS4415Hash Table with Addition column and Read and Insert Hash value to the new column:

Graphical user interface, text, application, email

Description automatically generated

Question 1: Insert (Soheil Shirvani 3720505 20) into New Table:

Graphical user interface, text, application, email

Description automatically generated

Question 2: Modify Grade in new Inserted Value:

Graphical user interface, text, application, email

Description automatically generated

Question 3:

# Data Confidentiality

1. Create Encrypted Grade Table:

Graphical user interface, text, application, email

Description automatically generated

1. Read and Encrypt the Previous values into the new one:

Graphical user interface, text, application, email

Description automatically generated

Question 4: Insert My Encrypted Value (3720505,Soheil,Shirvani,20)

Graphical user interface, text, application, email

Description automatically generated

Question 5: Update my grade with encrypted value for 18.82

Question 6: