Summary

This is a C++ program that includes functions for encrypting and decrypting strings using a provided key. It also includes functions for reading a file, extracting a student name from the file, and saving data to a file.

The `***encrypt\_decrypt***` function takes two arguments: a `***source***` string to process and a `***key`*** string to use in encryption or decryption. It returns the transformed string.

The `***read\_file***` function takes a filename as an argument and returns the contents of the file as a string.

The `***get\_student\_name***` function takes a string as an argument and extracts the first line of the string as the student name. It returns the student name as a string.

The `***save\_data\_file***` function takes several arguments, including a filename, student name, key, and encrypted data. It saves this data to a file with the provided filename.

This program can be modified and used to encrypt or decrypt sensitive data using a key. The `***save\_data\_file***` function can be used to save the encrypted data to a file for safekeeping.

