Module Code: CS3BC  
Assignment report Title: Blockchain Coursework Assignment  
Student Number: 30002734  
Date (when the work was completed):   
Actual hrs spent for the assignment:  
Which Artificial Intelligence tools used (if applicable):

Part 1

To get start with the project, a new windows forms project was created using Visual Studio which contains a blank customisable UI. I added a RichTextBox which will be used to print the outputs, along with a print button and a TextBox. Once these elements were added to the UI, I customised them so that when the button is pressed, whatever text is inside the TextBox, shows in the large RichTextBox. Now a blockchain is ready to be created.

Part 2

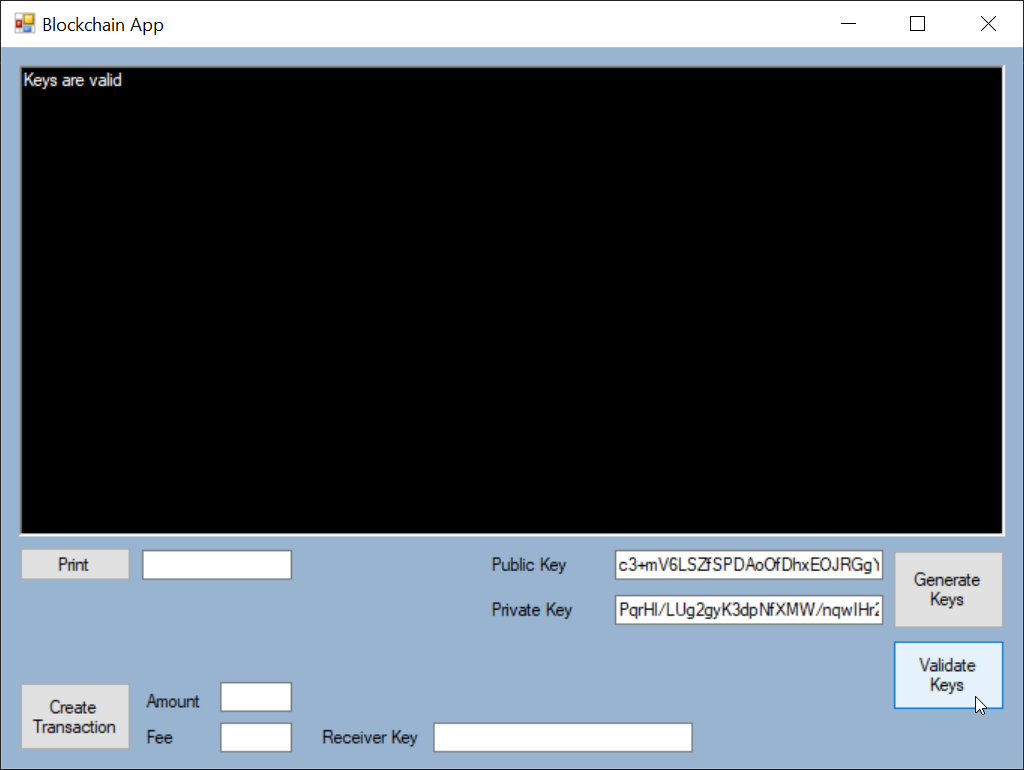
Next, I created two classes, one named Block and another named Blockchain. When our program starts and program.cs is called, we want to initialise a single blockchain, which will contain multiple blocks inside. The first block created is called the genesis block

Part 2:

A screenshot of a computer

AI-generated content may be incorrect.

Part 3:



Can send transactions but they are not validated on the blockchainA screenshot of a computer program

AI-generated content may be incorrect.

Part 4:

Created a new block and sent a transaction which is pending

A screenshot of a computer program

AI-generated content may be incorrect.

Both blocks shown with the transaction shown in the second block

A screenshot of a computer

AI-generated content may be incorrect.

Part 5:

Appendix

Part 1

A screenshot of a computer

AI-generated content may be incorrect.

Part 2