DALHOUSIE UNIVERSITY

Faculty of Computer Science

CSCI 6704 – Advanced Topics in Networks

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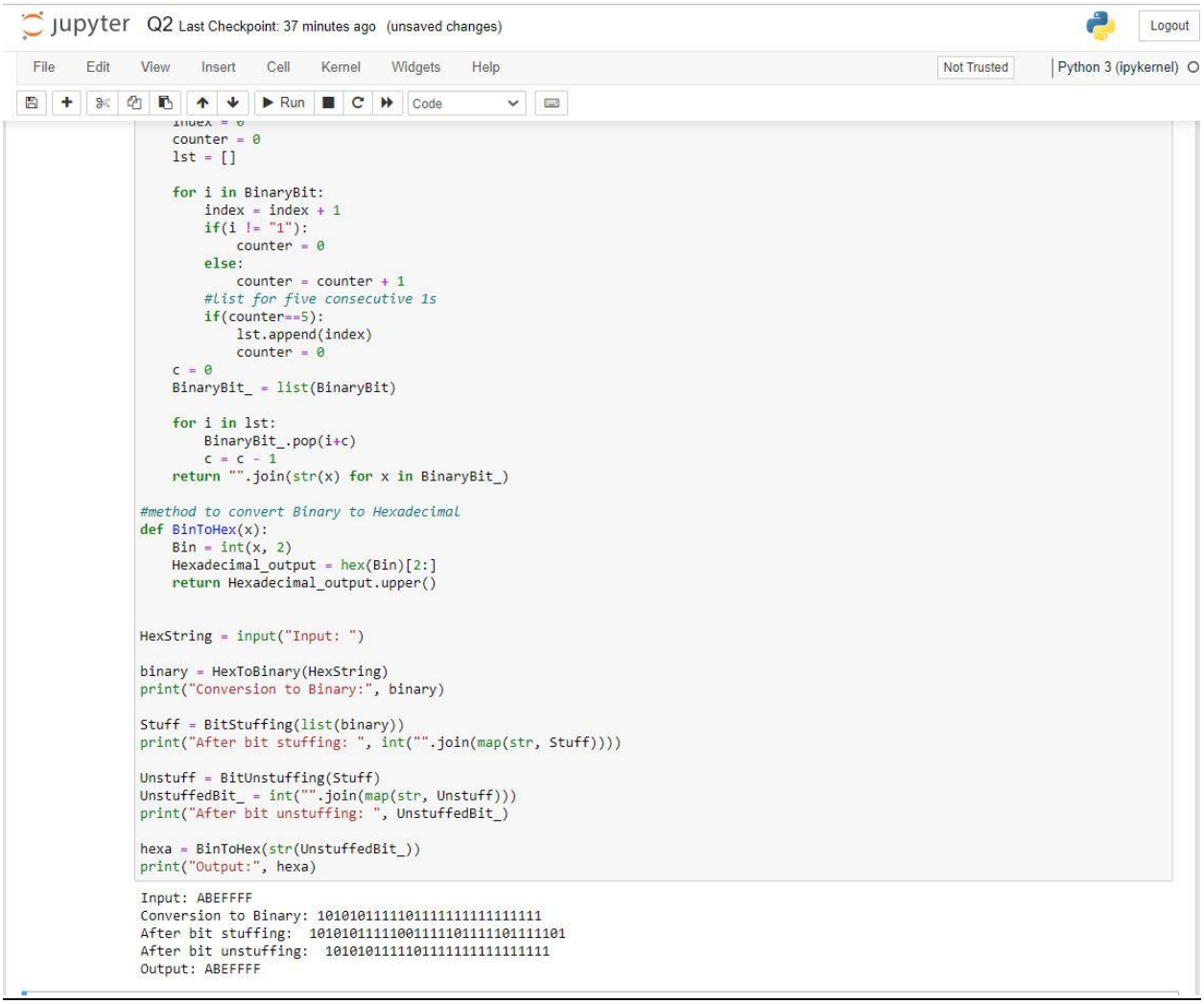
Assignment: 01 (Question 2)

Sample Input and Output for Question 2

Three hexadecimal strings have been taken to test the program for this question which are ABEF FFF, FFFFFF and ABCDFF. The resulting outputs with the screenshot have been added below:

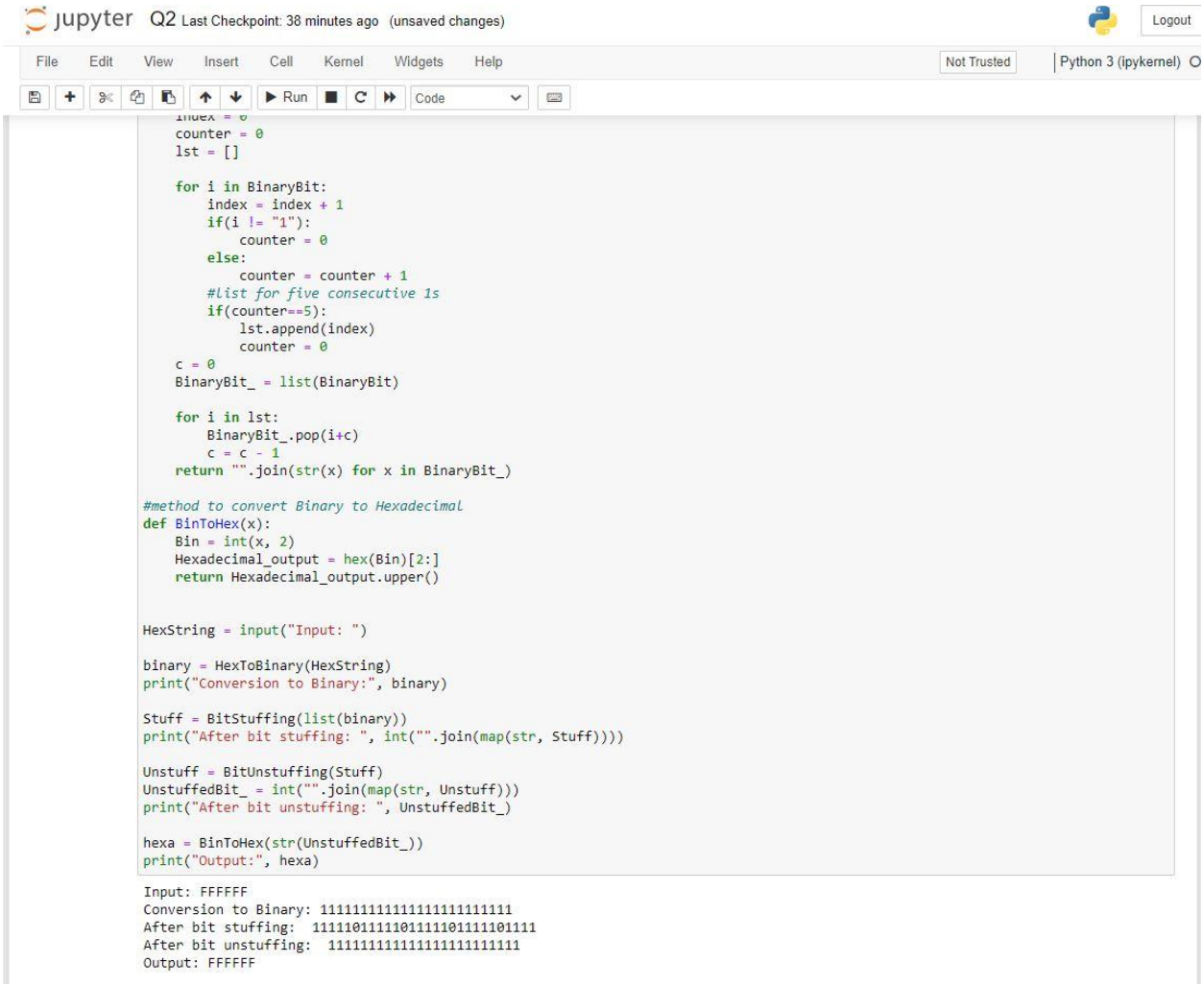
Test Case 1:

```
Input: ABEFFFF
Conversion to Binary: 10101011111011111111111111111
After bit stuffing:  101010111110011111011111011111101
After bit unstuffing:  10101011111011111111111111111
Output: ABEFFFF
```



Test Case 2:

```
Input: FFFFFF
Conversion to Binary: 111111111111111111111111
After bit stuffing:  11111011111011111011111101111
After bit unstuffing:  11111111111111111111111
Output: FFFFFF
```



Test Case 3:

```
Input: ABCDFF
Conversion to Binary: 101010111100110111111111
After bit stuffing:  101010111100110111111011111
After bit unstuffing:  101010111100110111111111
Output: ABCDFF
```