Lab Sheet 3

1. Write functions to simulate IP (i) Fragmentation module (ii) Reassembly module.

IP fragmentation module (function “fragment”):

Input - Data to be transmitted (ignore headers of upper layers) and MTU

Output: Number of fragments, Fragmented packets (IP Header + data)

IP Reassembly module (function “reassemble”):

Input: Fragmented packets (output of the function fragment)

Output: Transferred data

Note: You may take a large text file as data to be transmitted

2. Write a function / method to convert an IPv4 address to corresponding IPv6 address.