Assignment 2

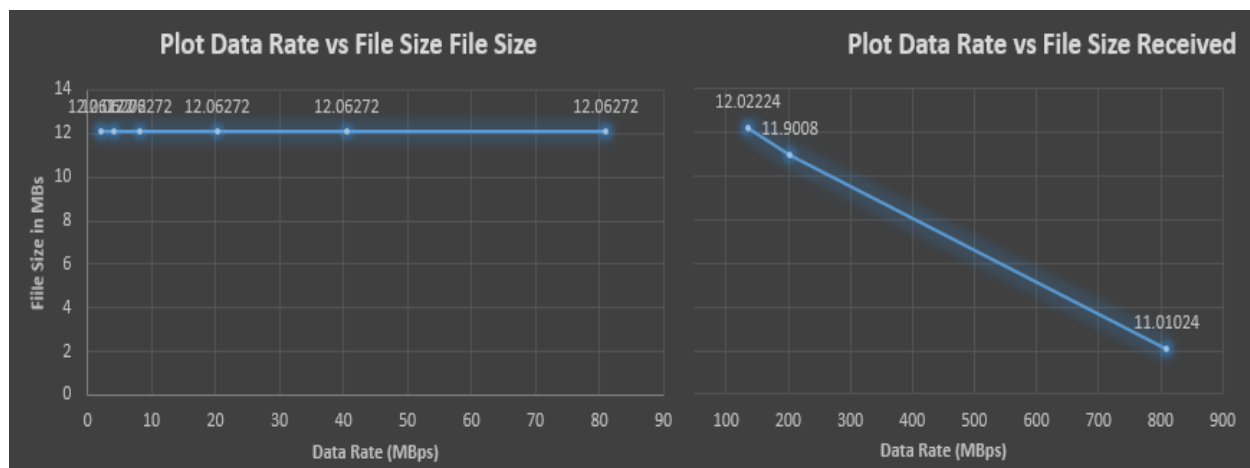| Prerna.	1410110306
Vishal Gauba	1410110501
Pranjal Mathur	1410110296
Saketh Vallakatla	1410110352

Calculate the data rates for a few settings and plot the received file size as a function of data rate. Report the attributes of data (type, bit rate(s) and encoding(s)) along-with your settings, that is, payload size and sleep delays, and the resulting data rate needed for playing the data smoothly in real time.

File Type: .wav

Bit Rate: 545 Kbps (0.06 MBps)

Encoding: Video: AVC **; Audio:** AAC

Buffer Size (in Bytes)	Time Delay(in ns)	Data Rate (MBps)	Send Size(Bytes)	Received Size(Bytes)	Received Size(MBs)
40480	600000000	0.06 (539Kbps)	12062720	12062720	12.06272
40480	500000000	0.08 (647Kbps)	12062720	12062720	12.06272
40480	20000000	2.024	12062720	12062720	12.06272
40480	10000000	4.048	12062720	12062720	12.06272
40480	5000000	8.096	12062720	12062720	12.06272
40480	2000000	20.24	12062720	12062720	12.06272
40480	1000000	40.48	12062720	12062720	12.06272
40480	500000	80.96	12062720	12062720	12.06272
40480	300000	134.9333333	12062720	12022240	12.02224
40480	200000	202.4	12062720	11900800	11.9008
40480	50000	809.6	12062720	11010240	11.01024
40480	100	404800	12062720	9593440	9.59344

Based on observation, data rate to play the file smoothly >= 0.07 MBps (545 Kbps)