**Assignment 1 Collocations Answer**

**Natural Language Processing**

**Total points: 90**

**UMID- 41272646**

* **Program has successfully executed and below are the values of Chi – square and PMI.**
* **The top 20 bigrams along with Chi-square values:**

['Brenda', 'Malizia', 422428.00000000006]

['Malizia', 'Negus', 422428.00000000006]

['Golf', 'Course', 422428.00000000006]

['Desert', 'Inn', 422428.00000000006]

['multispired', 'castlelike', 422428.00000000006]

['Traveling', 'Abroad', 422428.00000000006]

['Threemonth', 'Tbill', 422428.00000000006]

['Competing', 'assetallocation', 422428.00000000006]

['Mill', 'Playhouse', 422428.00000000006]

['Perfect', 'Witness', 422428.00000000006]

['Witness', 'Aidan', 422428.00000000006]

['Stockard', 'Channing', 422428.00000000006]

['Final', 'Days', 422428.00000000006]

['Brideshead', 'Revisited', 422428.00000000006]

['schizoid', 'horror', 422428.00000000006]

['Performances', 'kicks', 422428.00000000006]

['Polished', 'hooves', 422428.00000000006]

['Shiny', 'Nikes', 422428.00000000006]

['Glory', 'Enough', 422428.00000000006]

['Ku', 'Klux', 422428.00000000006]

* **The top 20 bigrams along with their PMI values:**

['Golf', 'Course', 12.953779031585071]

['multispired', 'castlelike', 12.953779031585071]

['Traveling', 'Abroad', 12.953779031585071]

['Threemonth', 'Tbill', 12.953779031585071]

['Competing', 'assetallocation', 12.953779031585071]

['Mill', 'Playhouse', 12.953779031585071]

['Perfect', 'Witness', 12.953779031585071]

['Witness', 'Aidan', 12.953779031585071]

['Stockard', 'Channing', 12.953779031585071]

['Final', 'Days', 12.953779031585071]

['Brideshead', 'Revisited', 12.953779031585071]

['schizoid', 'horror', 12.953779031585071]

['Performances', 'kicks', 12.953779031585071]

['Polished', 'hooves', 12.953779031585071]

['Shiny', 'Nikes', 12.953779031585071]

['Glory', 'Enough', 12.953779031585071]

['Ku', 'Klux', 12.953779031585071]

['Klux', 'Klan', 12.953779031585071]

['Latest', 'Period', 12.953779031585071]

['slowgrowth', 'lowprofit', 12.953779031585071]

* **According to my analysis while executing program both methods got same answers, so I feel that both should be the same one.**