You assignment must cover the following sections **Marks : 3**

1. A well defined and Quality Cover Page
2. Problem Definition
3. Solution to the Assignment
4. Conclusion of what you learned from the Assignment.
5. Find the Prefix, Suffix, substring and subsequence along with their Length for the following strings. Show at least 2 examples for each. Better show in a Tabular Format. **Marks : 12**
   1. From Lexical Alphabet L, for the string = dhakacityunderamess. mention meaningful strings.
   2. From Decimal Alphabet D, for the string δ = 270620210256
   3. From Decimal Alphabet B, for the string = 101110010011011
6. For the Alphabet Σ = {0, 3}, find the strings, no. of strings and length for each group of strings **Marks : 5**
   1. b.
7. Write out a computation of P which will add the Fibonacci Sequence. User will supply how many numbers of the Fibonacci Sequence to cover. Your program will start from 1 and use the supplied number to calculate the sum of the Fibonacci sequence and produce an output. **Marks : 5 (Bonus)**