Name of the student:			Roll No.	
Practical Number:	6		**Date of Practical:**	
Relevant CO's		**At the end of the course students will be able to apply appropriate algorithms for extracting knowledge from given dataset.**		
Sign here to indicate that you have read all the relevant material provided before attempting this practical			**Sign:**	

Practical grading using Rubrics

Indicator	Very Poor	Poor	Average	Good	Excellent
Timeline (2)	More than a session late (0)	NA	NA	NA	Early or on time (2)
Code design (2)	N/A	Very poor code design with no comments and indentation(0.5)	Poor code design with very comments and indentation (1)	Design with good coding standards (1.5)	Accurate design with better coding satndards (2)
Performance (4)	Unable to perform the experiment (0)	Able to partially perform the experiment (1)	Able to perform the experiment for certain use cases (2)	Able to perform the experiment considering most of the use cases (3)	Able to perform the experiment considering all use cases (4)
Postlab (2)	No Execution(0)	N/A	Partially Executed (1)	N/A	Fully Executed (2)

Total Marks (10)	Sign of instructor with date

Practical

Course title: Big Data Analytics
Course term: 2019-2020
Instructor name: Saurabh Kulkarni

Problem Statement: To effectively search a word in huge English dictionary using Bloom Filter

Theory:

Code:

Find words **google** and **apple** in English dictionary present in ubuntu using Bloom Filter written in Python.
code for Bloom Filter

PostLab:

Take password as input from user. Check whether it exists in the dictionary using Bloom filter. If it exists, it indicates it is commonly used password. So give message to user to try another password till he/she enters strong password.

Code for postlab question