Lab-04 [illegible]

Q] Write a Program for Congestion control using Leaky bucket algorithm.

```
#include <stdio.h>
int main()
{
int incoming, outgoing, buck_size, n, store=0;
Printf("Enter the bucked size: ");
Scanf("%d", &buck_size);
  Printf("Enter the outgoing size;");
  Scanf("%d', &outgoing);
  Printf("Enter the no of inputs:");
  Scanf("%d", &n);
  while(n!=0)
  {
   Printf("Enter the ~~fol~~ incoming bucketsize:");
   Scanf("%d", &incoming);
    if (incoming <= (buck_size - store))
      {
        store = incomig;
Printf("Bucked Buffer size %d out of %d", store
          , buck_size);
    }
  else
  {
```

```
Printf("Dropped %d
        incoming - (buck-size - store));

Printf("Bucket buffer size %d out of %d\n",
        store, buck-size);
    store = buck - size;
}
store = store - outgoing;
Printf("After outgoing %d packets left out of
        %d in buffer\n", store, buck-size
    n--;
}
}
```

Output:

```
Enter bucket size = 5000
Enter outgoing rate : 2000
Enter number of inputs = 2
Enter the incoming packet size = 3000
Bucket buffer size 3000 out of 5000
After outgoing 1000 packets left out of 5000 in
    buffer.
Enter the incoming packet size :- 4000
Bucket buffer size 2000 out of 5000.
After outgoing 0 packets left out of 5000 in
    buffer.
```

01/09/2023