S.R.PUNEETH
1BM18CS087

LEAKY BUCKET

```
#include <iostream>
#include<dos>
#include<stdlib.h>
#define bucketSize 512
Using namespace std;
void bktInput(int a, int b){
 {
  if(a > bucketSize)
   cout<<" Bucket overflowed ");
   else
   {{
    delay(500);
    while(a> b){
     cout<<" b<<" bytes outputted";
     a= = b;
     delay(500);
    }
    if(a>0)
     {
      cout <<" Last <<a<<" bytes sent ";
      cout <<" In Bucket o/p successful";
     }
    }
```

S.R.Puneeth.

S.R.PUNEETH
1BM18CS087

```
int main()
{
 int op, pktSize;
 cout << "Enter o/p rate :";
 cin >> op;
 for(int i = 1; i <= 5; i++)
  {
   sleep(rand() % 10);
   pktSize = rand() % 700;
   cout << "\n Packet no " << i << " size = " << pktSize
   bucketInput(pktSize, op);
  }
  cout << endl;
  return 0;
}
```