Prgm 12 leaky bucket

```java
public class Leakybucket
{
 public static void main(String[] args) {
Scanner sc= new Scanner(System.in);
System.out.println("Enter the bucket size=");
 int n=sc.nextInt();
int a[]=new int[n];
 System.out.println("Enter the number of packets=");
 int num=sc.nextInt();
 System.out.println("Enter the Data rate=");
 for(int i=0;i<num;i++) {
 System.out.println("Bucket overflow\n"+a[i]);
}
 Else
 {
 if (a[i]==out)
 System.out.println("Packet transmited"+a[i]);
 else if(a[i]>out)
 {
while(a[i]!=0 && a[i]>out)
 {
 System.out.println("Packet transmitted "+out);
 a[i]=a[i]-out;
}
System.out.println("Packet transmitted "+a[i]);
 }}}}
```