5/1/23

LAB-9

Write a program for Leaky bucket algorithm.

```
import java.util.scanner;
class main {
public static void main (String args[]) {
int size = 0;
Scanner sc = new Scanner (System.in);
System.out.println (x: "Enter capacity of the
buffer");
int max = sc.nextInt();
System.out.println (x: "Enter output rate");
int out = sc.nextInt();
size += in;
if (size > max) {
System.out.println (x: "Input rate is greater
than buffer size");
size -= in;
} else {
System.out.println ("Buffer size:" + size);
size -= out;
size = Math.max (size, b: 0);
System.out.println ("Buffer size after outflow:" + size);
}

System.out.println ("Continue (1=Yes, 2=No))");
int t = sc.nextInt();
if (t == 2)
break;
}
}
}
```

o/p: Enter capacity = 500
Output rate = 40
Input rate = 100
Buffer size: 100
After outflow = 60
Continue? (1 = Yes, 2 = No): 2