```
Output
                                                                                    Clear
packet[0]:83 bytes
packet[1]:86 bytes
packet[2]:77 bytes
packet[3]:15 bytes
packet[4]:93 bytes
Enter the Output rate:30
Enter the Bucket Size:85
Incoming Packet size: 83
Bytes remaining to Transmit: 83
Packet of size 30 Transmitted---Bytes Remaining to Transmit: 53
Packet of size 30 Transmitted---Bytes Remaining to Transmit: 23
Packet of size 23 Transmitted---Bytes Remaining to Transmit: 0
Incoming Packet size: 86
Incoming packet size (86bytes) is Greater than bucket capacity (85bytes)-PACKET REJECTED
Incoming Packet size: 77
Bytes remaining to Transmit: 77
Packet of size 30 Transmitted---Bytes Remaining to Transmit: 47
Packet of size 30 Transmitted---Bytes Remaining to Transmit: 17
Packet of size 17 Transmitted---Bytes Remaining to Transmit: 0
Incoming Packet size: 15
Bytes remaining to Transmit: 15
Packet of size 15 Transmitted---Bytes Remaining to Transmit: 0
Incoming Packet size: 93
Incoming packet size (93bytes) is Greater than bucket capacity (85bytes)-PACKET REJECTED
=== Code Execution Successful ===
```

```
Leaking Burket Periogen
# include < stdio.h> control wing leaky buckty

# include < stdiib.h> disposition #

# include < whister

# include < whister

# deposition #
Amichel Stdio. 1>
# define NOF_PACKETS 5
        sumal (with a)
  12 / (O) of (Indomare) = nue the
   m &1 &0 == mere unattore
# unclude <5td 19h. h>
  (bieu) mabriaire bru gnal
  ing wan
  NAND SE [NOT PACKOTS], O, CIR, 6-8119, 0-0104, P-32,9m
       P-52, P-time, OP;
  ofman (930) COPE PACKETS; 9++) My AMOUS
        paded SZEPJ - grandom () % 100; History
  (1=0; PACKOTS, 1+1)
          power f(" Imparted [" od bytes H", ", powet 52[]
    power (" In Enter the output oute?")
    scorn + (1 % d", 80 scate);
     pounds ( " Entor the Busheth SUZ: ");
    &cout (, 1/4, 8p - dist)!
  (1-0; 12 MOF-PACKETS; 1+1)
     2 of charges - 82 (1-16-84 - 82 - 81) > p - 8036)
          of (packet -53 [i] > b-878)
             powers of " In In Smearning partiet size (" % of byte
   19 greater them much corracely (9-d mylos) - PACKET RETECTOD, packet -52[1], b-8/26);
           powrdf ("In) in Beicket capacity enough - PACKETS
                    RETECTEDIL");
       else & p_5z_som += packet _5z[i];
            number ("Into Ancoming Party 81/2: Id" partiet set
```

lunched, p. 1. Hubbared of businessing of hybrid, 1. 4 person P-time = sundom () * /0; Estima b.1: newsermanned ray offer unit of ") Adonag 9-tome); Jos (c/K=10) (1+ 2=p-thme; (1+=10) sleep (1) op so note, p-85 non = 0 rate; + 9 = - 40 powers (" In Powers of eng. "I.d Townsmittlen ", op);
powerst (" -- Bytes Removement To bianxmit : t. d., p.s.on "1) Homsmard at studios of m