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Write a program for congestion control using leaky bucket algorithm.

```
# include <bits/stdc++.h>
using namespace std;
int size_bucket = 1000;
Void time (int a, int b)
{
  int now = t(NULL);
    int later = now+t;
while (now<=later) now = time (NULL);
}
Void size (int a, int b)
{
 if (a > size_bucket)
{
 cout << "overflow";
}
else { while (a>b)        (1)
```

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```
cout << "Bucket output Successful";
        a -= b;
    }
    if (a>0)
{
cout << "Last bytes sent is" << b;
}
}
int main()
{
  int output_rate, packet_size;
  randomize();
cout << "Enter output rate : ";
  cin >> output_rate;
for (int i=1; i<=5; i++)
  {
    packet_size = random() % 1000;
cout << "Packet no " << i;
cout << "Packet Size = " << packet_size;
}return 0;
}
```