

Weaky bucket Algo

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IBMIT9CS401

```
#include <iostream>
#include <vector>
#include <string>
using namespace std
```

```
void bucketInput (int a, int b)
```

```
{ if (a > bucketSize)
```

```
cout << "Not bucket overflow";
```

```
else
```

```
{ delay(500);
```

```
while (a > b)
```

```
{ cout << "Not bucket overflow";
```

```
a = b;
```

```
delay(500);
```

```
} if (a > 0)
```

```
cout << "Not bucket overflow";
```

```
cout << "Bucket overflow successful"
```

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SATURDAY

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```
int main()
```

```
{
    int op, pktSize;
```

```
    cout << "Enter output rate:"
```

```
    or op
```

```
    for (p = 1; p <= 5; p++)
```

```
{
```

```
        delay(rand(1000));
```

```
        pktSize = rand();
```

```
        cout << "\n packet no" << p << " | packet size = "
```

```
<< pktSize;
```

```
        bttInput(pktSize, op);
```

```
    }
    return 0
```

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SUNDAY