MASTER DATA STRUCTURE AND ALGORITHMS WITH C++ Day 1 Assignment

1. Find the time complexity for the following code snippet:

```
a = 1;
b = 1;
while (b <= n)
{
    a = a + 1;
    b = b + a;
    cout << "Hi";
}
T(n) = O(sqrt(n))</pre>
```

2. Find the time complexity for the following code snippet:

```
for(i = n; i >= 1; i = i/3)
cout<<"Hi";
```

$$T(n) = O(logn)$$