QUESTION:

Find time complexity T(n) for the following code snippet:

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

ANSWER:

The Time complexity T(n) is : O(n) i.e., Big O of n Because , the while loop gets executed 'n' number of times and hence complexity is O(n)