do while Loop Assessment:

1. Simulate and show the output of the given program. Note that incorrect simulation leads to incorrect OUTPUT.

```java
public static void main(String[] args)
{
    int a, ctr=5, cb;
    int t=0;
    a=1;
    cb=0;
    String text="cube";
    do
    {
        cb=a*a*a;
        System.out.println("Number is " + a + " and the " + text + " of " + a +" is " + cb);
        a++;
        t+=cb;
    }
    while(a<=ctr);
    System.out.println("\nThe total  of the " + text + "d number is " + t);
}
```

Accumulator / Counter				Output:
a	**ctr**	**cb**	**t**	Number is 1 and the cube of 1 is 1
~~1~~	5	~~0~~	~~0~~	Number is 2 and the cube of 2 is 8
~~2~~		~~1~~	~~1~~	Number is 3 and the cube of 3 is 27
~~3~~		~~8~~	~~9~~	Number is 4 and the cube of 4 is 64
4		~~27~~	~~36~~	Number is 5 and the cube of 5 is 125
~~5~~		~~64~~	~~100~~	
6		125	225	The total of the cubed number is 225

Vem Aiensi A. Marasigan
CCC112-18 / 1-BSCS-.3
BS Computer Science