```
public class Fibonacci {

	public static int fib(int n){
		if(n == 0 || n == 1){
			return n;
		}
		return fib(n - 1) + fib(n - 2);
	}

	public static int fibM(int n){

		int storage[] = new int[n + 1];
		for(int i = 0; i <= n; i++){
			storage[i] = -1;
		}
		return fibM(n, storage);

	}

	public static int fibM(int n, int storage[]){
		if(n == 0 || n == 1){
			storage[n] = n;
			return storage[n];
		}
		if(storage[n] != -1){
			return storage[n];
		}

		storage[n] =  fibM(n - 1, storage) + fibM(n - 2, storage);
		return storage[n];
	}

	public static int fibDP(int n){

		int storage[] = new int[n + 1];
		storage[0] = 0;
		storage[1] = 1;

		for(int i = 2; i <= n; i++){
			storage[i] = storage[i - 1] + storage[i - 2];
		}
		return storage[n];
	}

	public static void main(String[] args) {
		int n = 44;
		System.out.println(fibDP(n));
		System.out.println(fibM(n));
		System.out.println(fib(n));
	}

}
```