BCPR282 SYNTAX TEST # 2

Student Name	Marks out of 10
Markers	
Closed book, closed directory, no notes, individed write a program with a class called Fibonacci in when the Fibonacci numbers F(n), where F(n)=F(n-1)+F(n-1	nich a getValues method which calculates the first
Assume n has a lowest possible value of 3.	
The getValues method should return the Fibonacci	values in an array or collection class.
Also use a FibController Class which tests with a va	lue of 20 and uses a for loop to display the values
The output shall look like:	
STARTING 1 1 2 3 5 8 13 21 34 55 89 144 BYE!	233 377 610 987 1597 2584 4181 6765
Answer is structured with correct MVC	
At least 3 different types of variable or field	d SCOPE*
Definition of a class with a constructor*	
Definition* and initialization* of an object	
A "CONSTANT"*	
a primitive type***	
Correct use of the most appropriate Java Co	onditional Statement
Correct use the Java initialization, terminat	ion, increment for loop
Correct use the Java enhanced for loop to it	erate an array or collection
Correct definition*, initialization* and use	of an Array or Collection class*
*– note with comments where they occur	
eg // SCOPE #1	

You MUST use the code provided over the page

```
public class ConsoleView implements View {
    @Override
    public <T> void say(T message) {
        System.out.println(message + " ");
    public <T> void add(T message) {
        System.out.print(message + " ");
    @Override
    public void start() {
        say("STARTING");
    @Override
    public void stop() {
        say("\nBYE!");
    }
}
public abstract class ExerciseController {
    protected View myView;
    public ExerciseController( View theView ){
        this.myView = theView;
    }
    abstract protected void doStuff();
    public void go() {
        this.myView.start();
        this.doStuff();
        this.myView.stop();
    }
}
public class Main {
    public static void main(String[] args) {
        View view = new ConsoleView();
        ExerciseController ec = new FibController( view );
        ec.go();
    }
}
```