COMP 1406 – Winter 2022
Assignment #3 – Part 1
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Question 1: Polymorphism

A) What is displayed to the screen when the following program is run?

```
public static void main(String[] args) {
    A[] letters = {new B(),new C(),new D(),new E(),new F(),new G()};
    for(A letter: letters){
        if( !(letter instanceof E) ){
            System.out.print(letter);
        }
    }
}
```

A-B-A-C-A-D-A-B-E-A-D-F-A-B-E-G-B-A-C-A-D-A-F-D-A

B) Draw a picture of the memory model (stack and heap) at the point in the program above when the stack has the most activation records in it. You can assume that `print()` does not call any other methods from inside it.