CMSC 132: Object-Oriented Programming II

Static Member
Message Class

Important message

For ____________________________
From __________________________
Time ________________ Date __________
Phone __________________________

☐ URGENT!

Message

______________________________
______________________________
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______________________________

Message Class

class MessagePad{
    private String for;
    private String from;
    private Time time;
    private Date date;
    private boolean urgent;
    private String Message;
}

Important message

For ____________________________
From ____________________________
Time ___________ Date _____________
Phone ____________________________
☐ URGENT!
Message ____________________________

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Message msg = new Message(
    alice,
    bob,
    12:00pm,
    01/01/2014,
    123-3456,
    false,  // urgent
    "I will see Mad Max.
    Do you wanna go?"
);
class MessagePad{
    private static String receivedby;
    private String for;
    private String from;
    private Time time;
    private Date date;
    private boolean urgent;
    private String Message;
}

Important message
For
From
Time Date
Phone
☑️URGENT!
Message

Received by: Cathy
Quiz

- Quiz
- Quiz link:
Static Block

- Used for static initializations of a class

- code inside static block is executed only once
  - The first time you make an object of that class
  - Or the first time you access a static member of that class

- static blocks are executed before constructors.
class Test {
    static int i;
    int j;
    static {
        i = 10;
        System.out.println("static block called ");
    }
    Test(){ System.out.println("Constructor called"); }
}
class Main {
    public static void main(String args[]) {
        // Although we have two objects, static block is executed only once.
        Test t1 = new Test();
        Test t2 = new Test();
        
        Output:
        static block called
        Constructor called
        Constructor called