

### **// SharedConstants.java**

```
import java.util.Random;
interface SharedConstants {
    int NO = 0;
    int YES = 1;
    int MAYBE = 2;
    int LATER = 3;
    int SOON = 4;
    int NEVER = 5;
}
```

### **// SharedConstants.class**

```
class Question implements SharedConstants {
    Random rand = new Random();
    int ask() {
        int prob = (int) (100 * rand.nextDouble()); 0.0-1.0
        if (prob < 30)
            return NO; // 30%
        else if (prob < 60)
            return YES; // 30%
        else if (prob < 75)
            return LATER; // 15%
        else if (prob < 98)
            return SOON; // 13%
        else
            return NEVER; // 2%
    }
}

class AskMe implements SharedConstants {
    static void answer(int result) {
        switch(result) {
            case NO:
                System.out.println("No");
                break;
            case YES:
                System.out.println("Yes");
                break;
            case MAYBE:
                System.out.println("Maybe");
                break;
            case LATER:
                System.out.println("Later");
                break;
        }
    }
}
```

```
case SOON:
System.out.println("Soon");
break;
case NEVER:
System.out.println("Never");
break;
}
}

public static void main(String args[]) {
Question q = new Question();
answer(q.ask());
answer(q.ask());
answer(q.ask());
answer(q.ask());
}
}
```

**Output:**

No

Yes

Soon

Yes