

```
public static int fibonacci (int n) {
```

```
    int i, last, nextToLast;
```

```
    int answer = 0;
```

```
    if ((n==0) || (n==1)) {
```

```
        answer = 1;
```

```
    }
```

```
    else {
```

```
        last = 1; nextToLast = 1;
```

```
        for (i=2; i<=n; i++)
```

```
        {
```

```
            answer = last + nextToLast;
```

```
            nextToLast = last;
```

```
            last = answer;
```

```
        }
```

```
    }
```

```
    return answer;
```

```
}
```