

```
import Foundation
```

```
func fibonacciSeries(num: Int) -> Int{
```

```
    var n1 = 0
```

```
    var n2 = 1
```

```
    var nR = 0
```

```
    for _ in 0..
```

```
        nR = n1
```

```
        n1 = n2
```

```
        n2 = nR + n2
```

```
    }
```

```
    return n1
```

```
}
```

```
var val = 10
```

```
print("Following is the Fibonacci series:")
```

```
for j in 0...val{
```

```
    let output = fibonacciSeries(num: j)
```

```
    print(output)
```

```
}
```