

```
# lecture 3.4, slide 3
```

```
num = 302
```

```
if num < 0:
```

```
    isNeg = True
```

```
    num = abs(num)
```

```
else:
```

```
    isNeg = False
```

```
result = ''
```

```
if num == 0:
```

```
    result = '0'
```

```
while num > 0:
```

```
    result = str(num%2) + result
```

```
    num = num/2
```

```
if isNeg:
```

```
    result = '-' + result
```