

Day – 11 Binary Search

Problem 1: Given two numbers N and M, find the Nth root of M.

The nth root of a number M is defined as a number X when raised to the power N equals M.

```
def find_nth_root(N, M):
```

```
    X = M ** (1 / N)
```

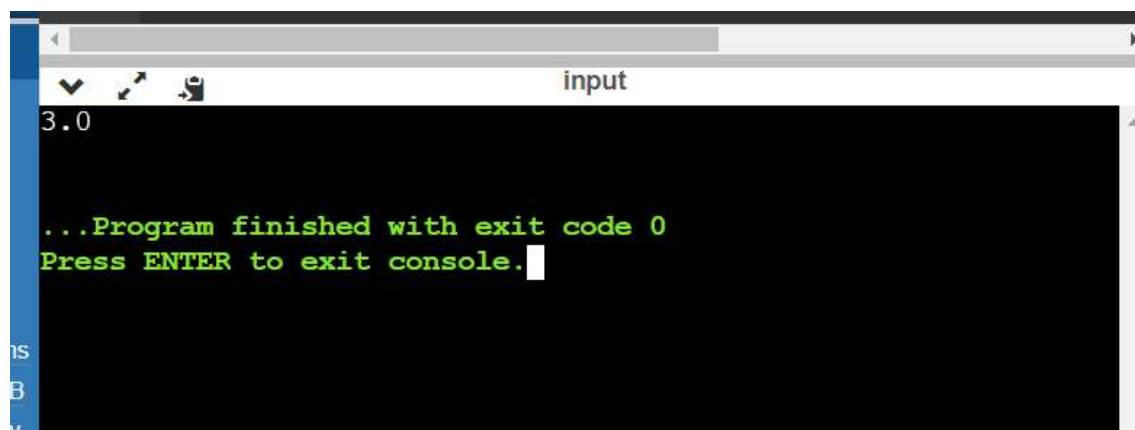
```
    return X
```

```
N = 3
```

```
M = 27
```

```
result = find_nth_root(N, M)
```

```
print(result)
```

A screenshot of a terminal window titled 'input'. The terminal shows the output '3.0' on the first line. On the second line, it displays the message '...Program finished with exit code 0' in green text, followed by 'Press ENTER to exit console.' in green text. A white cursor is visible at the end of the second line. The terminal has a dark background and a light blue sidebar on the left.