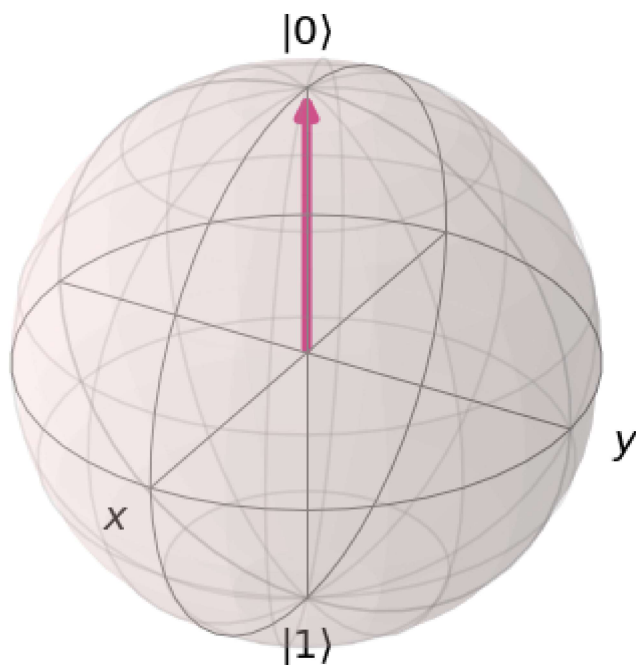


```
In [1]: from qiskit_textbook.widgets import plot_bloch_vector_spherical  
from math import pi
```

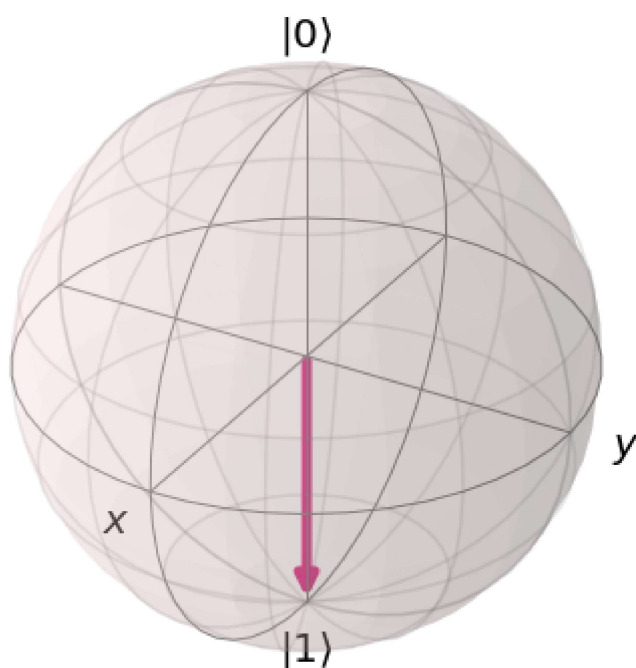
```
In [3]: # Plotting  $|0\rangle$   
coords = [0,0,1]  
plot_bloch_vector_spherical(coords)
```

Out[3]:



```
In [4]: # Plotting  $|1\rangle$   
coords = [pi,0,1]  
plot_bloch_vector_spherical(coords)
```

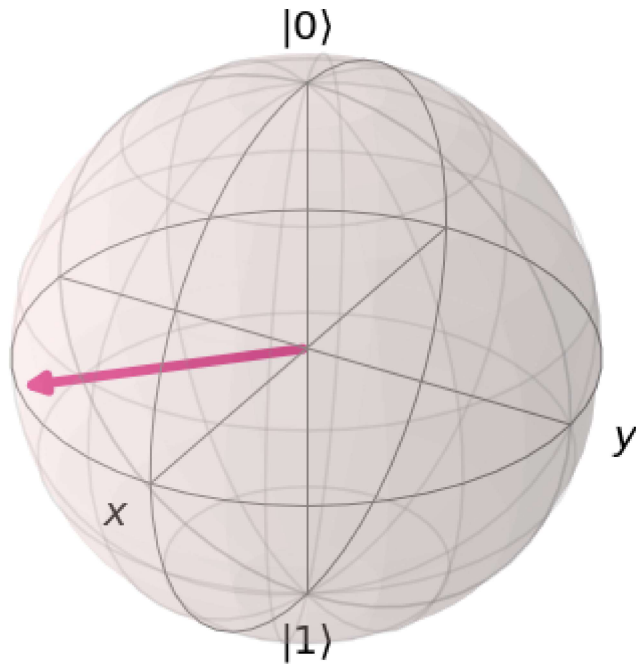
Out[4]:



In [5]:

```
# Plotting  $1/\sqrt{2}(|0\rangle - i|1\rangle)$   
coords = [pi/2, -pi/4, 1]  
plot_bloch_vector_spherical(coords)
```

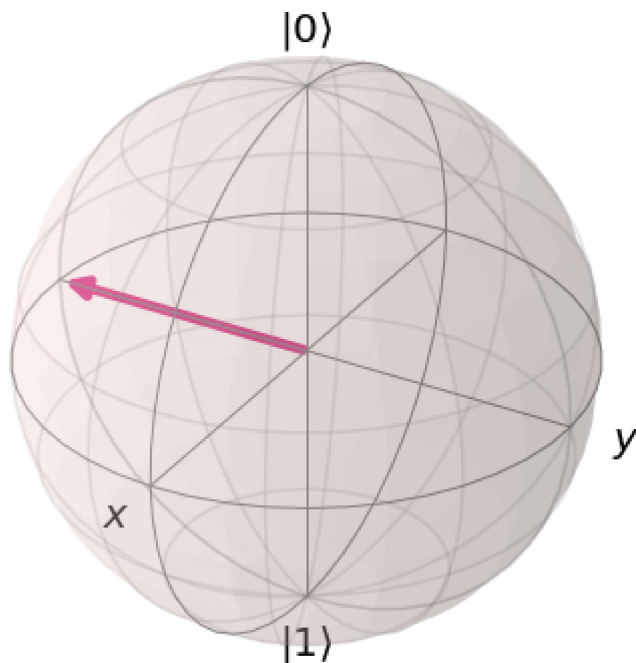
Out[5]:



In [6]:

```
# Plotting  $1/\sqrt{2}(|0\rangle + i|1\rangle)$   
coords = [pi/2, pi/2, 1]  
plot_bloch_vector_spherical(coords)
```

Out[6]:



In []: