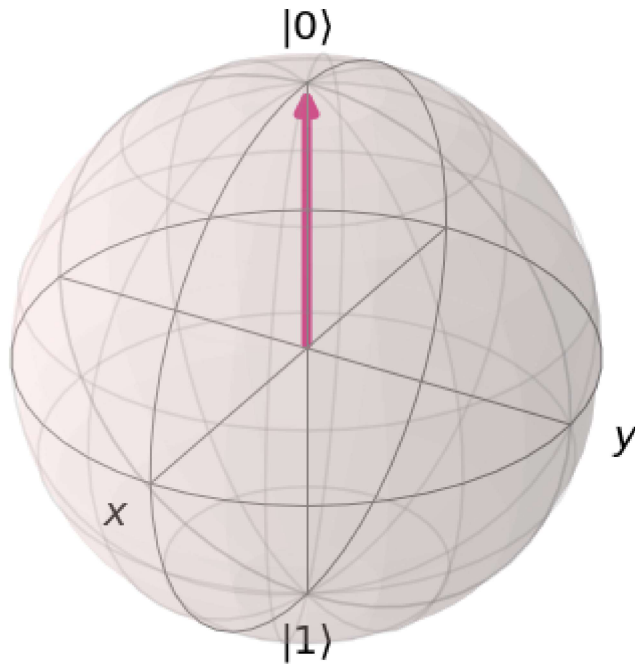


```
In [1]: from qiskit_textbook.widgets import plot_bloch_vector_spherical  
from math import pi
```

Plotting $|0\rangle$

```
In [2]: coords = [0,0,1]  
plot_bloch_vector_spherical(coords)
```

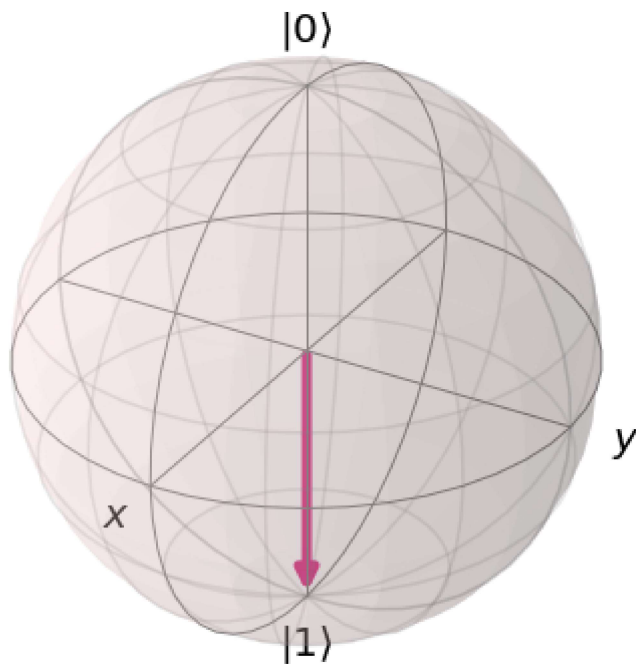
Out[2]:



Plotting $|1\rangle$

```
In [3]: coords = [pi,0,1]  
plot_bloch_vector_spherical(coords)
```

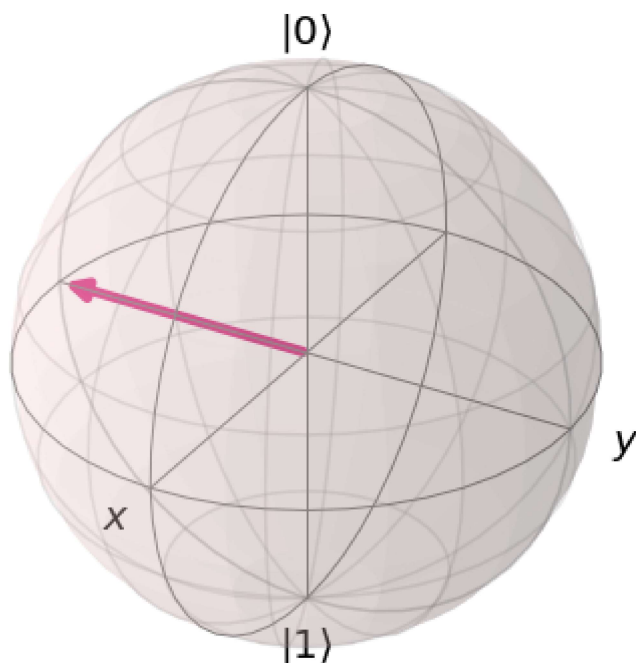
Out[3]:



Plotting $\frac{1}{\sqrt{2}}[|0\rangle - i|1\rangle]$

```
In [4]: coords = [pi/2, -pi/2, 1]
plot_bloch_vector_spherical(coords)
```

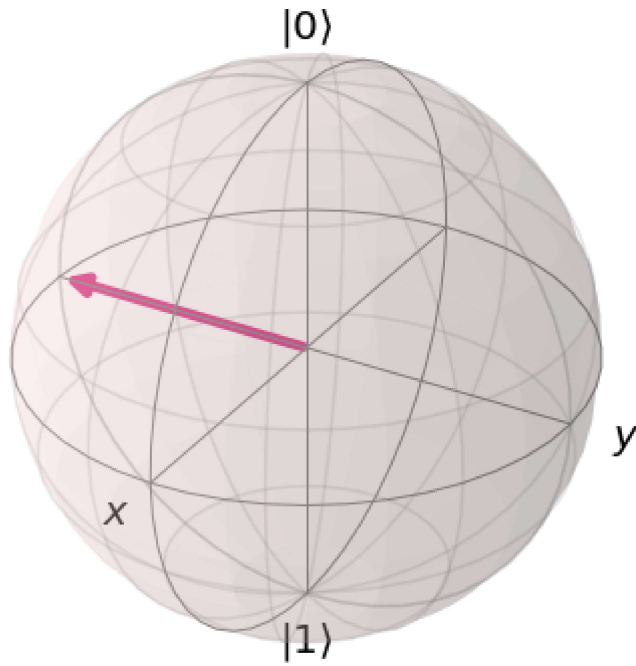
Out[4]:



Plotting $\frac{1}{\sqrt{2}}[i|0\rangle + |1\rangle]$

```
In [5]: coords = [pi/2, -pi/2, 1]
plot_bloch_vector_spherical(coords)
```

Out[5]:



Plotting $1/\sqrt{2}[|0\rangle + |1\rangle]$

```
In [6]: coords = [pi/2,0,1]  
plot_bloch_vector_spherical(coords)
```

Out[6]:

