In [5]:
```
import numpy as np
np.linspace(2.0, 3.0, num=5)
```

Out[5]:
```
array([2.  , 2.25, 2.5 , 2.75, 3.  ])
```

In [6]:
```
import numpy as np
np.linspace(2.0, 3.0, num=5, retstep=True)
```

Out[6]:
```
(array([2.  , 2.25, 2.5 , 2.75, 3.  ]), 0.25)
```

In [8]:
```
import numpy as np
np.linspace(2.0, 3.0, num=5, retstep=True, endpoint = False)
```

Out[8]:
```
(array([2. , 2.2, 2.4, 2.6, 2.8]), 0.2)
```

In [11]:
```
import numpy as np
np.linspace(2.0, 3.0, num=2, retstep=True, endpoint = False)
```

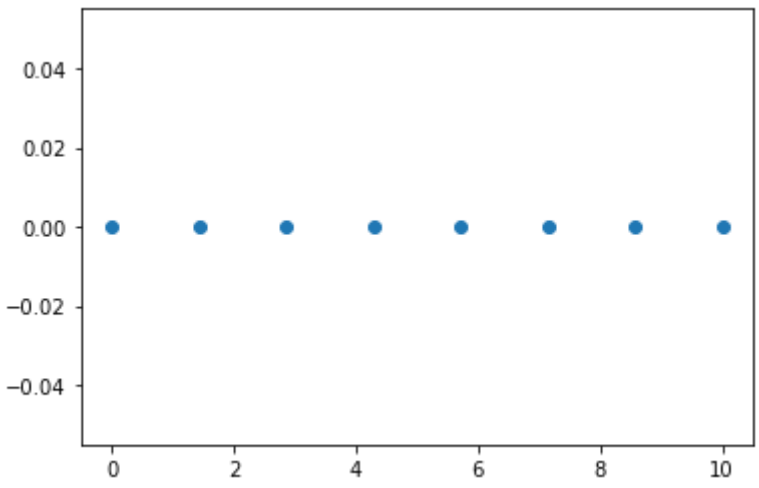
Out[11]:
```
(array([2. , 2.5]), 0.5)
```

In [13]:
```
N = 8
y = np.zeros(N)
print(y)
```

```
[0. 0. 0. 0. 0. 0. 0. 0.]
```

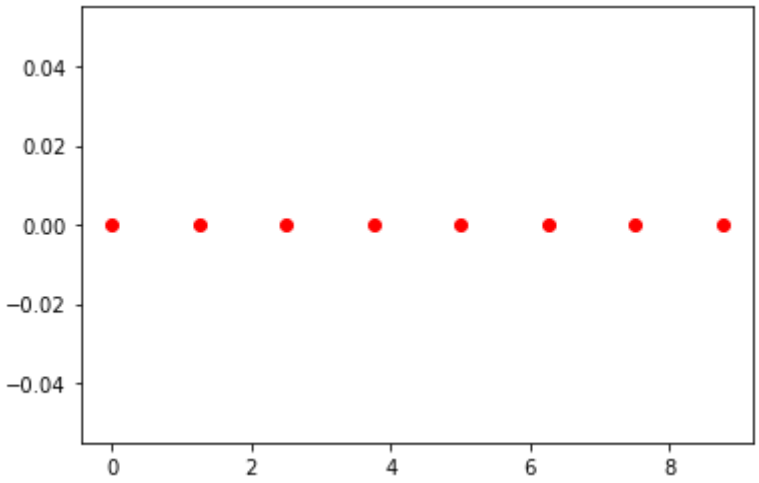
In [14]:
```
import matplotlib.pyplot as plt
N = 8
y = np.zeros(N)
x1 = np.linspace(0, 10, N, endpoint=True)
x2 = np.linspace(0, 10, N, endpoint=False)
plt.plot(x1, y, 'o')
```

Out[14]:
```
[<matplotlib.lines.Line2D at 0x24401419580>]
```



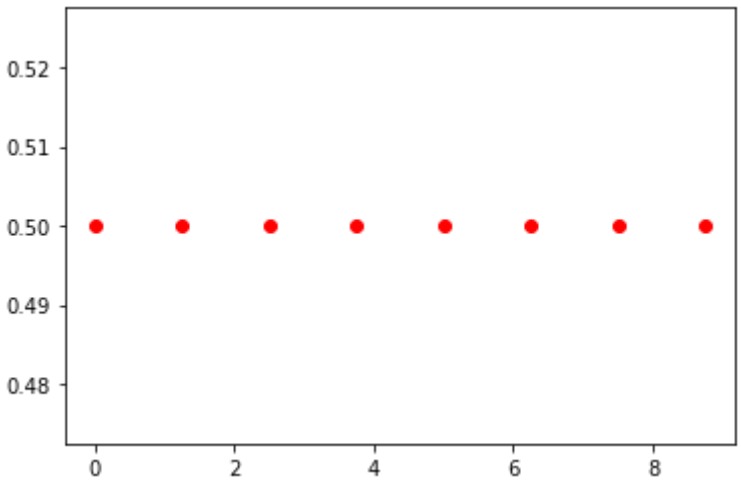
In [17]:
```
import matplotlib.pyplot as plt
N = 8
y = np.zeros(N)
x1 = np.linspace(0, 10, N, endpoint=True)
x2 = np.linspace(0, 10, N, endpoint=False)
plt.plot(x2, y, 'or')  #o = circles; r = redcolor
```

Out[17]:
```
[<matplotlib.lines.Line2D at 0x244017f9160>]
```



In [18]:
```
import matplotlib.pyplot as plt
N = 8
y = np.zeros(N)
x1 = np.linspace(0, 10, N, endpoint=True)
x2 = np.linspace(0, 10, N, endpoint=False)
plt.plot(x2, y + 0.5, 'or')  #o = circles; r = redcolor
```

Out[18]:
```
[<matplotlib.lines.Line2D at 0x2440184b040>]
```



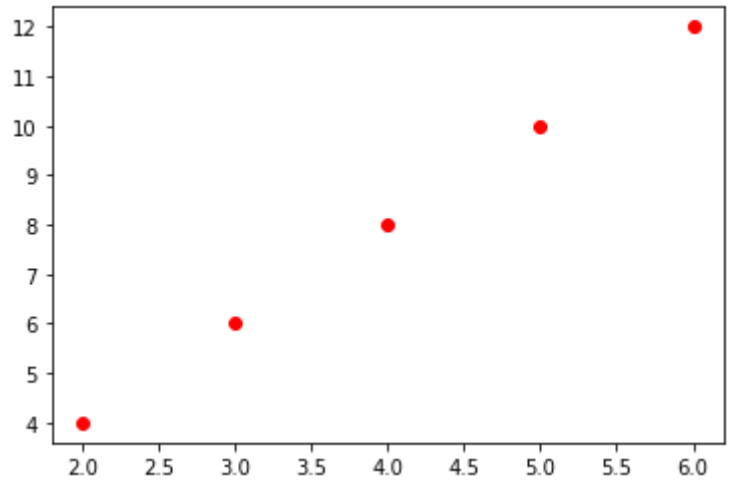
In [19]:
```
import matplotlib.pyplot as plt

l1 = [2, 3, 4, 5, 6]

l2 = [4, 6, 8, 10, 12]

plt.plot(l1, l2, 'or')
```

Out[19]:
```
[<matplotlib.lines.Line2D at 0x24401895880>]
```


12
11
10
9
8
7
6
5
4
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0