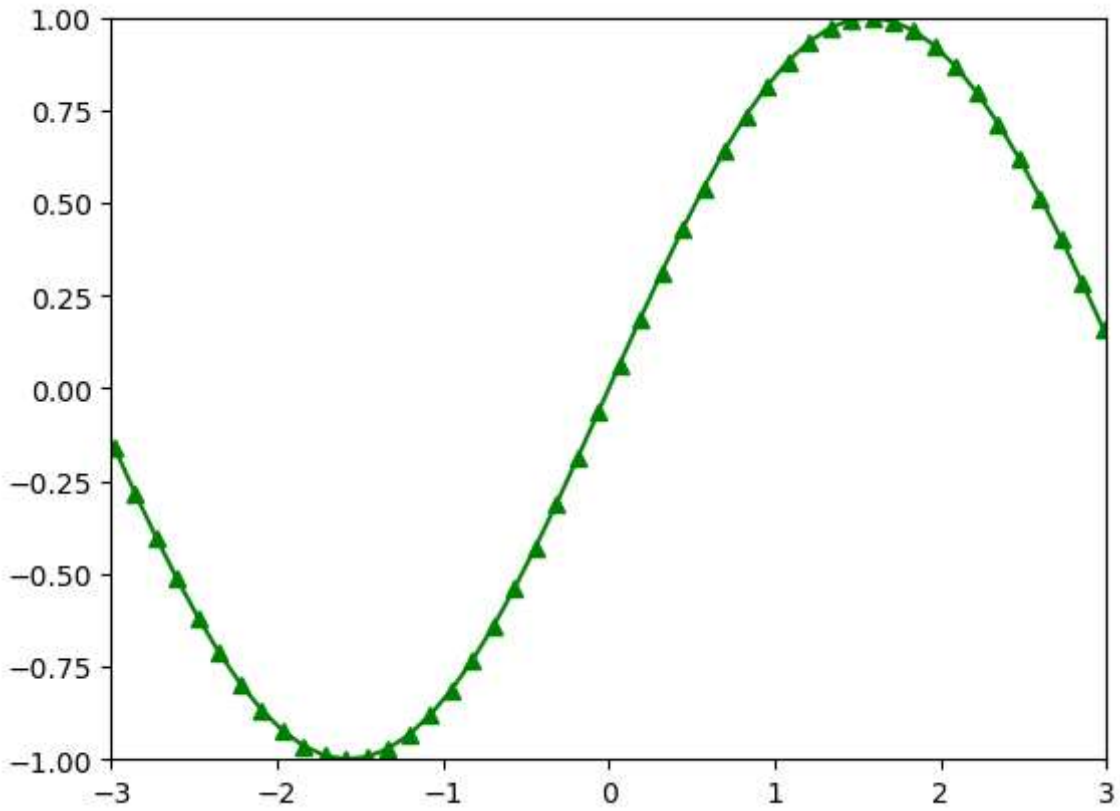
CIRCUITO RC

In [11]:
```
import numpy as np
from matplotlib import pyplot as plt

# importa i lati di visualizzazione del grafico
plt.xlim(-3, 3)
plt.ylim(-1,1)

#imposta qualche punto
x = np.linspace(-(2*np.pi), 2*np.pi,100)
y = np.sin(x)

plt.plot(x,y, marker = "^", color = "green")
```

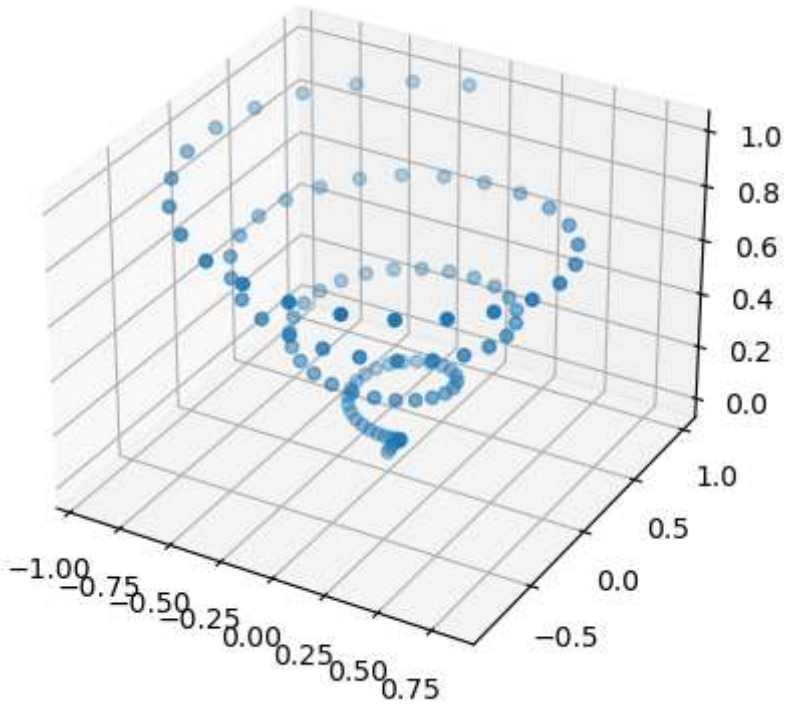
Out[11]:
```
[<matplotlib.lines.Line2D at 0x232fd22cd60>]
```



ELICA

In [13]:
```
import numpy as np
from matplotlib import pyplot as plt

plt.figure()

ax = plt.axes(projection = "3d")

z = np.linspace(0,1,100)
x = z * np.sin(25 * z)
y = z * np.cos(25 * z)

ax.scatter(x,y,z)
```

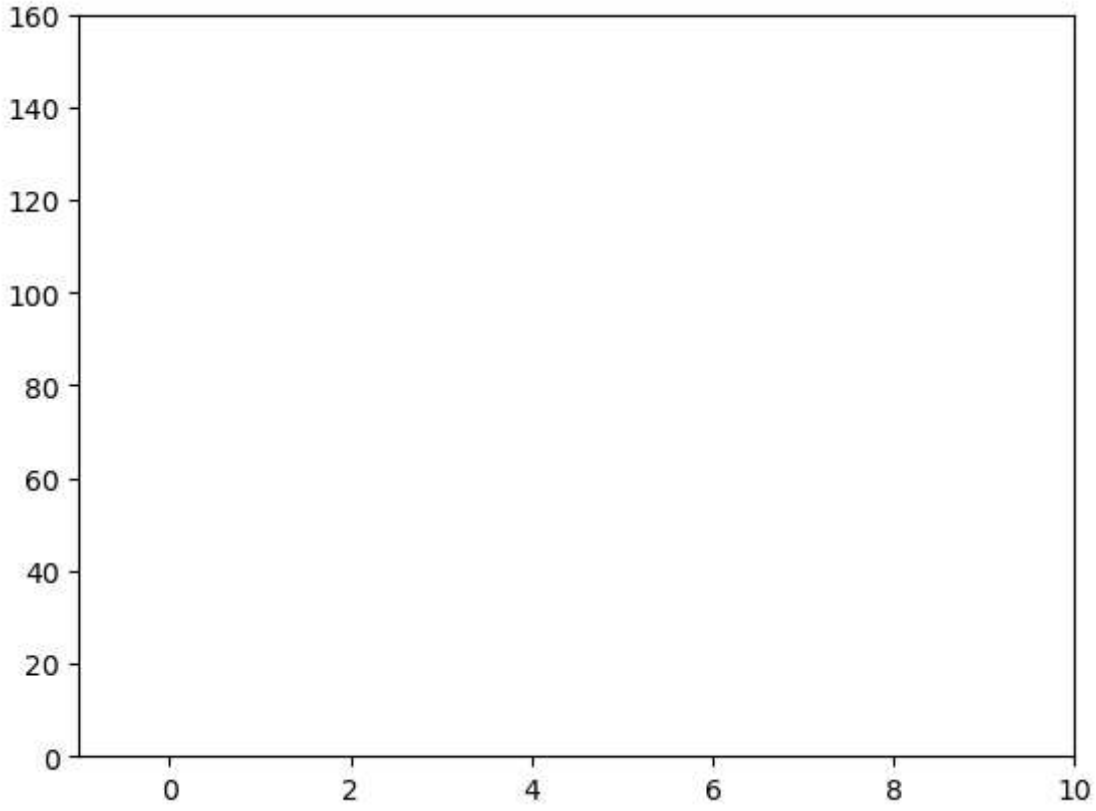
```
plt.show()
```



EQUAZIONE CRESCITA POPOLAZIONE

In [16]:
```
import numpy as np
from matplotlib import pyplot as plt

plt.xlim(-1, 10)
plt.ylim(0,160)

#imposta qualche punto
n = 1000
k = -1.5
p0 = 1
t = -4
ptn = (1+(k*t) /n) **n *po

plt.plot(x,y, marker = "o", color = "green")
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_13820\101225539.py in <module>
     10 p0 = 1
     11 t = -4
---> 12 ptn = (1+(k*t) /n) **n *po
     13
     14 plt.plot(x,y, marker = "o", color = "green")

NameError: name 'po' is not defined
```



In [ ]: