Import Modules

In [1]:
```
import cv2
import matplotlib.pyplot as plt
```

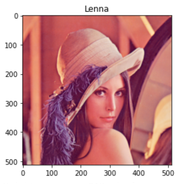
Display all original image

- Lenna Image

In [2]:
```
img_lenna = cv2.cvtColor(cv2.imread('../images/lenna.png'), cv2.COLOR_BGR2RGB)

plt.imshow(img_lenna)
plt.title('Lenna')
plt.show()

print(f'Height        : {img_lenna.shape[0]} pixels')
print(f'Width         : {img_lenna.shape[1]} pixels')
print(f'Color Channel : {img_lenna.shape[2]} (RGB))')
```



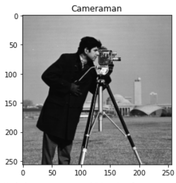

```
Height        : 512 pixels
Width         : 512 pixels
Color Channel : 3 (RGB))
```

- Cameraman Image

In [3]:
```
img_cameraman = cv2.cvtColor(cv2.imread('../images/cameraman.png'), cv2.COLOR_BGR2RGB)

plt.imshow(img_cameraman)
plt.title('Cameraman')
plt.show()

print(f'Height        : {img_cameraman.shape[0]} pixels')
print(f'Width         : {img_cameraman.shape[1]} pixels')
print(f'Color Channel : {img_cameraman.shape[2]} (RGB))')
```



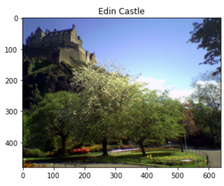

```
Height        : 256 pixels
Width         : 256 pixels
Color Channel : 3 (RGB))
```

- Edin Castle Image

In [4]:
```
img_edin_castle = cv2.cvtColor(cv2.imread('../images/edin_castle.png'), cv2.COLOR_BGR2RGB)

plt.imshow(img_edin_castle)
plt.title('Edin Castle')
plt.show()

print(f'Height        : {img_edin_castle.shape[0]} pixels')
print(f'Width         : {img_edin_castle.shape[1]} pixels')
print(f'Color Channel : {img_edin_castle.shape[2]} (RGB))')
```



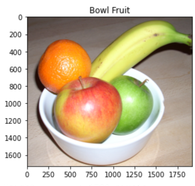

```
Height        : 480 pixels
Width         : 640 pixels
Color Channel : 3 (RGB))
```

- Bowl Fruit Image

In [5]:
```
img_bowl_fruit = cv2.cvtColor(cv2.imread('../images/bowl_fruit.png'), cv2.COLOR_BGR2RGB)

plt.imshow(img_bowl_fruit)
plt.title('Bowl Fruit')
plt.show()

print(f'Height        : {img_bowl_fruit.shape[0]} pixels')
print(f'Width         : {img_bowl_fruit.shape[1]} pixels')
print(f'Color Channel : {img_bowl_fruit.shape[2]} (RGB))')
```




```
Height        : 1729 pixels
Width         : 1921 pixels
Color Channel : 3 (RGB))
```

- Peppers Image

In [6]:
```
img_peppers = cv2.cvtColor(cv2.imread('../images/peppers.png'), cv2.COLOR_BGR2RGB)

plt.imshow(img_peppers)
plt.title('Peppers')
plt.show()

print(f'Height        : {img_peppers.shape[0]} pixels')
print(f'Width         : {img_peppers.shape[1]} pixels')
print(f'Color Channel : {img_peppers.shape[2]} (RGB))')
```


```
Height        : 384 pixels
Width         : 512 pixels
Color Channel : 3 (RGB))
```

- Map Spain Image

In [7]:
```
img_map_spain = cv2.cvtColor(cv2.imread('../images/map_of_spain.png'), cv2.COLOR_BGR2RGB)

plt.imshow(img_map_spain)
plt.title('Map Spain')
plt.show()

print(f'Height        : {img_map_spain.shape[0]} pixels')
print(f'Width         : {img_map_spain.shape[1]} pixels')
print(f'Color Channel : {img_map_spain.shape[2]} (RGB))')
```


```
Height        : 375 pixels
Width         : 487 pixels
Color Channel : 3 (RGB))
```