

The Sparks Foundation

Task 1 : Object Detection

By

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Implement an object detector which identifies the classes of the objects in an image.

In [80]:

```
import cv2

import matplotlib.pyplot as plt
import numpy as np
```

In [81]:

```
classLabels=[]
file_name= 'labels.txt'
with open(file_name,'rt') as fpt:
    classLabels=fpt.read().rstrip('\n').split('\n')
```

In [82]:

```
print(classLabels)
```

```
[]
```

In [94]:

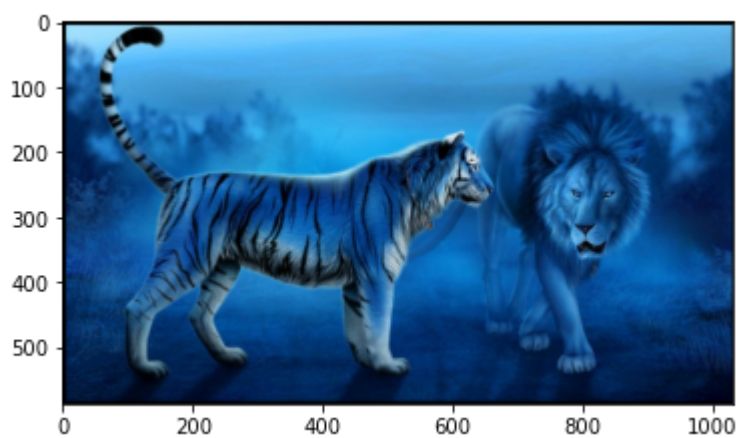
```
img=cv2.imread('lion and tiger.png')
```

In [95]:

```
plt.imshow(img)
```

Out[95]:

<matplotlib.image.AxesImage at 0x20a00079790>

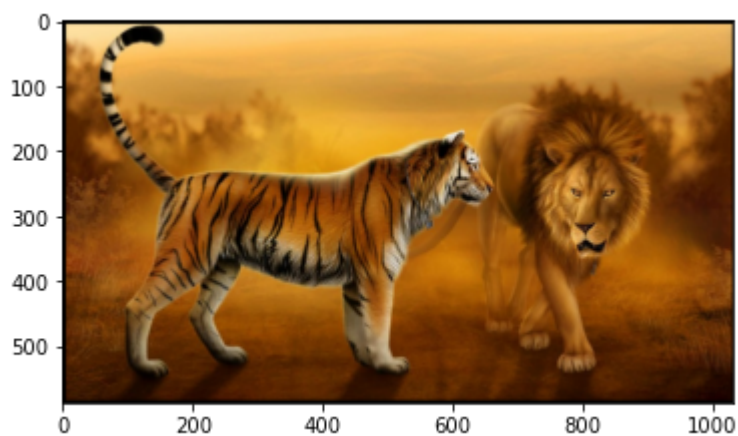


In [96]:

```
plt.imshow(cv2.cvtColor(img, cv2.COLOR_BGR2RGB))
```

Out[96]:

<matplotlib.image.AxesImage at 0x20a002fd160>



In [97]:

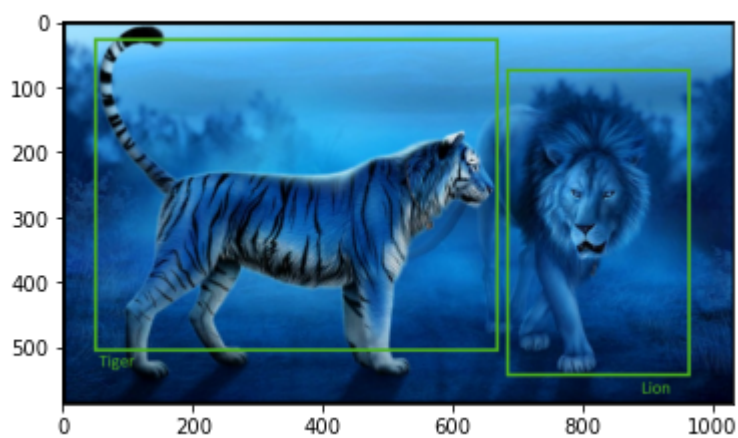
```
img=cv2.imread('lion and tiger 1.png')
```

In [98]:

```
plt.imshow(img)
```

Out[98]:

<matplotlib.image.AxesImage at 0x20a006fed90>

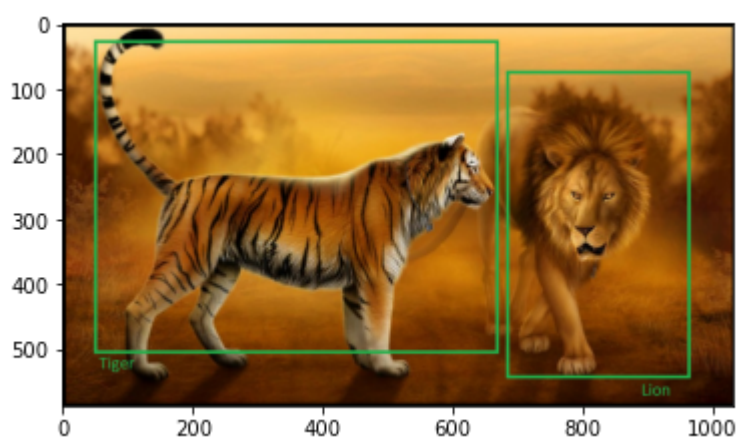


In [99]:

```
plt.imshow(cv2.cvtColor(img, cv2.COLOR_BGR2RGB))
```

Out[99]:

<matplotlib.image.AxesImage at 0x20a03e53910>



In []:

In []:

