


```

A = np.array([7,3])
B = np.array([3,7])

ax = plt.axes()

ax.arrow(0.0, 0.0, A[0], A[1], head_width=0.4, head_length=0.5)

plt.annotate(f"A({A[0]},{A[1]})", xy=(A[0], A[1]),xytext=(A[0]+0.5, A[1]))

ax.arrow(0.0, 0.0, B[0], B[1], head_width=0.4, head_length=0.5)

plt.annotate(f"B({B[0]},{B[1]})", xy=(B[0], B[1]),xytext=(B[0]+0.5, B[1]))

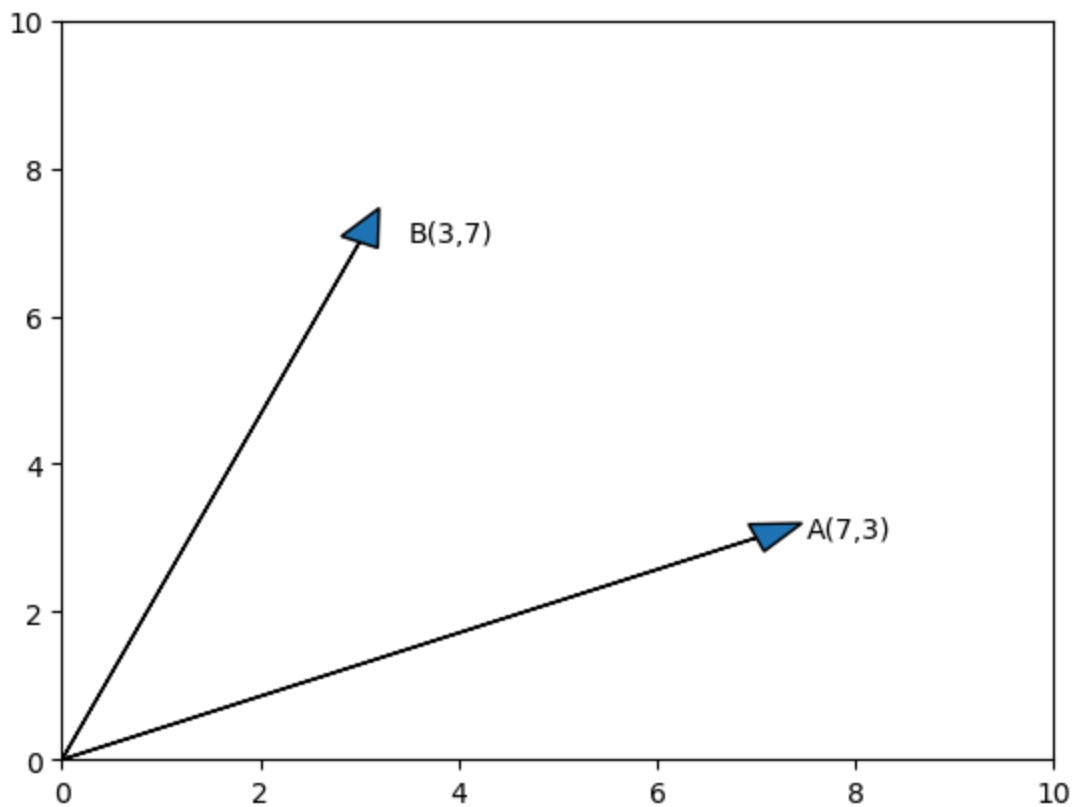
plt.xlim(0,10)

plt.ylim(0,10)

plt.show()

plt.close()

```



```

In [13]: cos_sim=np.dot(A,B)/(np.linalg.norm(A)*np.linalg.norm(B))

print (f"Cosine Similarity between A and B:{cos_sim}")

print (f"Cosine Distance between A and B:{1-cos_sim}")

```

Cosine Similarity between A and B:0.7241379310344827

Cosine Distance between A and B:0.27586206896551735

In []:

In []:

In []:

In []: