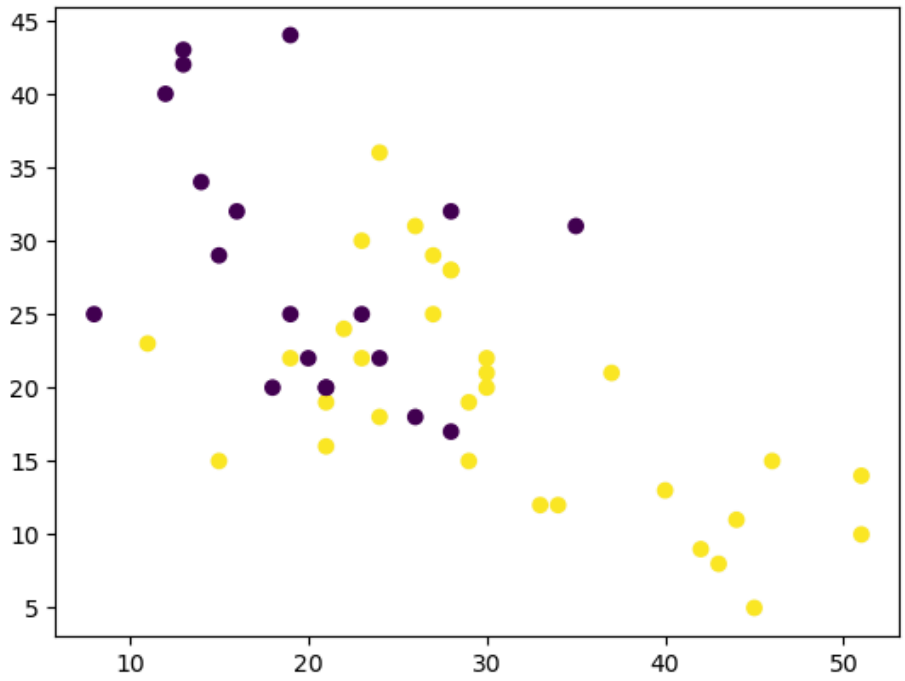
In [2]:
```
#Name-Siddharth .V.Barhate      Batch-B1
#Practicle Name-(10B):
#Date-21-09-2024      Roll No-04
#-------------------------------------------------------------
from sklearn.datasets import make_multilabel_classification
import pandas as pd
import matplotlib.pyplot as plt
X, y = make_multilabel_classification(n_samples=50, n_features=2,
                                      n_classes=2, n_labels=2,
                                      allow_unlabeled=True,
                                      random_state=23)
df = pd.concat([pd.DataFrame(X, columns=['X1', 'X2']),
                pd.DataFrame(y, columns=['Label1', 'Label2'])],
               axis=1)
display(df.head())
plt.scatter(df['X1'], df['X2'], c=df['Label1'])
plt.show()
```

	X1	X2	Label1	Label2
0	14.0	34.0	0	1
1	30.0	22.0	1	1
2	29.0	19.0	1	1
3	21.0	19.0	1	1
4	16.0	32.0	0	1



In [ ]:
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