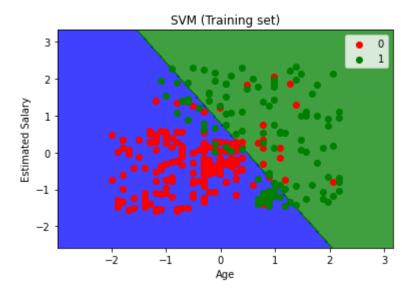
```
In [8]: ▼ # Importing the Libraries
  import numpy as np
  import matplotlib.pyplot as plt
  import pandas as pd
  # Importing the dataset
  dataset = pd.read_csv("Social_Network_Ads.csv")
  X = dataset.iloc[:, [2, 3]].values
  y = dataset.iloc[:, 4].values
  # Splitting the dataset into the Training set and Test set
  from sklearn.model_selection import train_test_split
  X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.25,
  random_state = 0)
  # Feature Scaling
  from sklearn.preprocessing import StandardScaler
  sc = StandardScaler()
  X train = sc.fit transform(X train)
  X test = sc.transform(X test)
  # Fitting SVM to the Training set
  from sklearn.svm import SVC
  classifier = SVC(kernel = 'linear', random state = 0)
  classifier.fit(X train, y train)
  # Predicting the Test set results
  y pred = classifier.predict(X test)
  # Making the Confusion Matrix
  from sklearn.metrics import confusion matrix
  cm = confusion matrix(y test, y pred)
  # Visualising the Training set results
  from matplotlib.colors import ListedColormap
  X set, y set = X train, y train
 X1, X2 = np.meshgrid(np.arange(start = X_set[:, 0].min() - 1, stop = X_set[:,
  0].max() + 1, step = 0.01),
                       np.arange(start = X_set[:, 1].min() - 1, stop = X_set[:,
  1].max() + 1, step = 0.01)
 plt.contourf(X1, X2, classifier.predict(np.array([X1.ravel(),
  X2.ravel()]).T).reshape(X1.shape),
               alpha = 0.75, cmap = ListedColormap(('blue', 'green')))
  plt.xlim(X1.min(), X1.max())
  plt.ylim(X2.min(), X2.max())
 for i, j in enumerate(np.unique(y set)):
      plt.scatter(X_set[y_set == j, 0], X_set[y_set == j, 1],
                  c = ListedColormap(('red', 'green'))(i), label = j)
  plt.title('SVM (Training set)')
  plt.xlabel('Age')
  plt.ylabel('Estimated Salary')
  plt.legend()
  plt.show()
  # Visualising the Test set results
  from matplotlib.colors import ListedColormap
  X set, y set = X test, y test
v | X1, X2 = np.meshgrid(np.arange(start = X_set[:, 0].min() - 1, stop = X_set[:,
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```

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