TRAINING OF CODE

```
import keras
from tensorflow.keras import layers

CNN_2 = keras.Sequential([
    layers.Conv2D(32, kernel_size=(3,3), activation='relu', padding=
'same', input_shape=(244,244,1)),
    layers.MaxPooling2D(pool_size=(2, 2)),

    layers.Conv2D(64, kernel_size=(3,3), activation='relu'),
    layers.MaxPooling2D(pool_size=(2, 2)),

    layers.Conv2D(32, kernel_size=(3,3), activation='relu'),
    layers.MaxPooling2D(pool_size=(2, 2)),
    layers.Dropout(0.25),

    layers.Flatten(),
    layers.Dense(64, activation="relu"),
    layers.Dropout(0.5),
    layers.Dense(2, activation='softmax')
])

CNN_2.compile(
    optimizer='adam',
    loss='categorical_crossentropy',
    metrics=['accuracy']
)
CNN_2.optimizer.lr=0.001

CNN_2.summary()
```