```
import os
os.chdir('C:/Users/lenovo/Desktop/Emotion_Detector(
Project)')
from tensorflow.keras.preprocessing.image import
ImageDataGenerator
from tensorflow.keras.models import Sequential
from tensorflow.keras.layers import Conv2D,
MaxPool2D, Flatten, Dense, Input
# Prepare the training dataset
train = ImageDataGenerator(rescale=1/255)
train_dataset = train.flow_from_directory(
  'Training', # Relative path to the Training folder
  target_size=(200, 200),
  batch_size=32,
  class_mode='binary'
)
# Define the model
model = Sequential([
  Input(shape=(200, 200, 3)),
  Conv2D(16, (3, 3), activation='relu'),
  MaxPool2D(2, 2),
  Conv2D(32, (3, 3), activation='relu'),
  MaxPool2D(2, 2),
  Conv2D(64, (3, 3), activation='relu'),
  MaxPool2D(2, 2),
  Flatten(),
  Dense(512, activation='relu'),
```

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Dense(1, activation='sigmoid'),
])

# Compile and train the model
model.compile(
   loss='binary_crossentropy',
   optimizer='adam',
   metrics=['accuracy']
)

model.fit(train_dataset, epochs=8)

# Save the model weights
model.save_weights("emotion_detector.weights.h5")
```