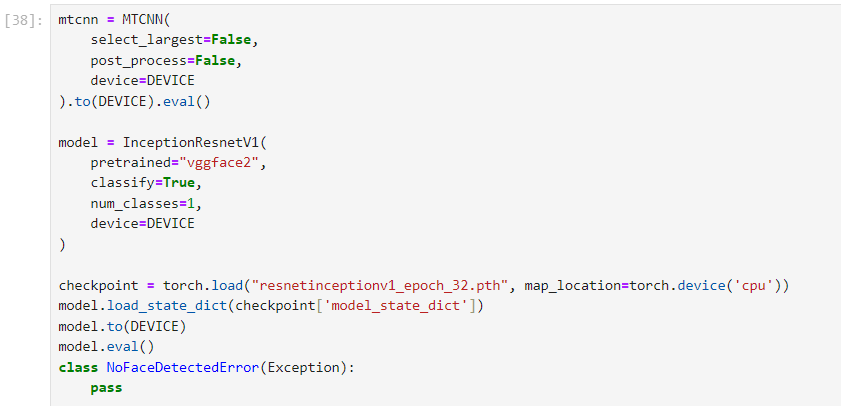
**Importing Libraries and Setting Up Environment**

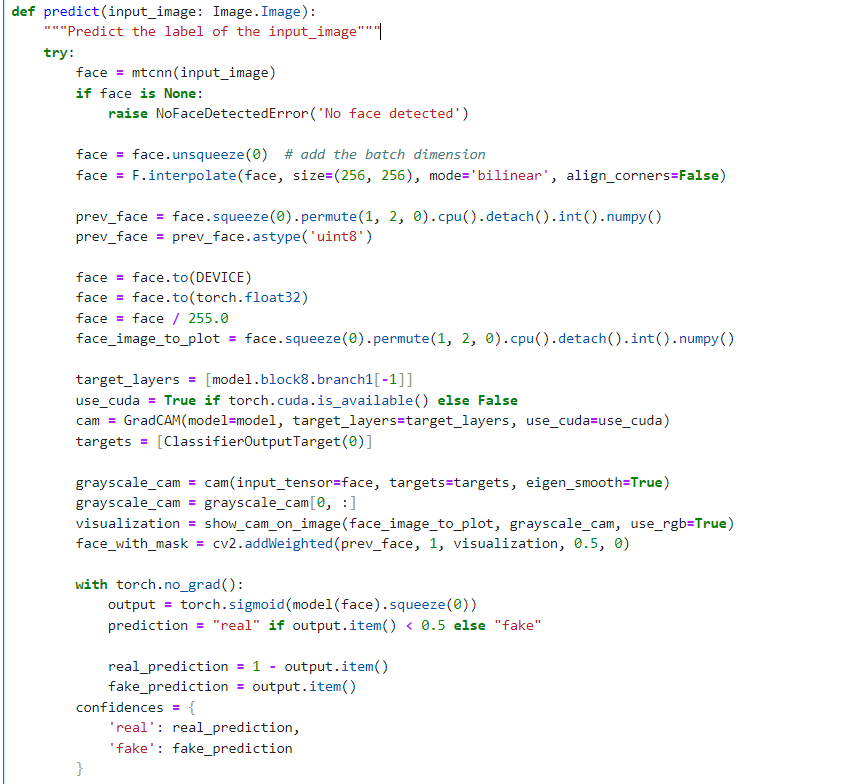


Table 6.1. Data Set

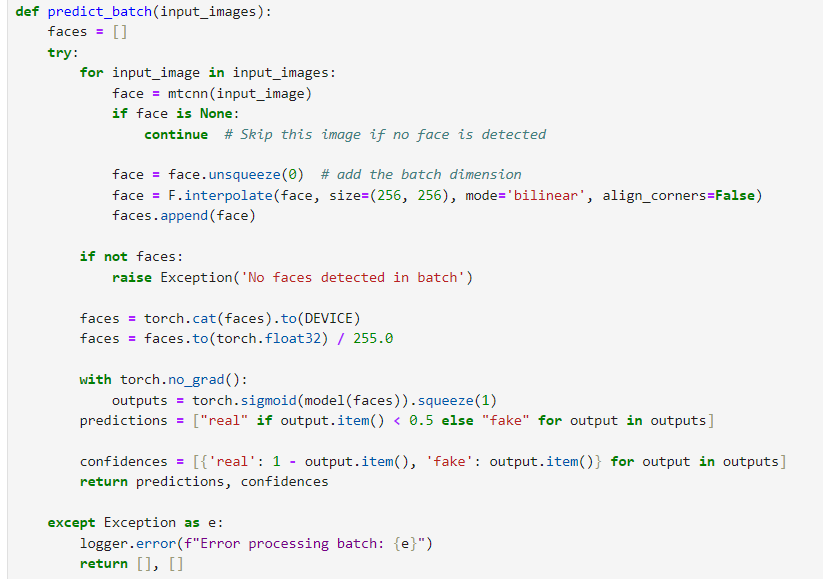
# **Loading Models**



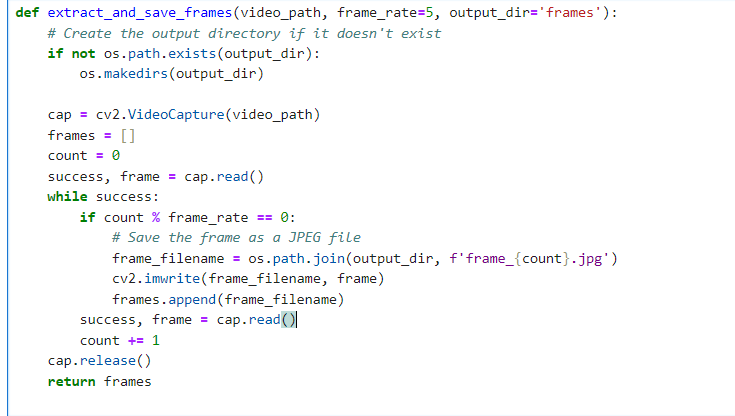
# **3.** **Predict Function for Single Image**

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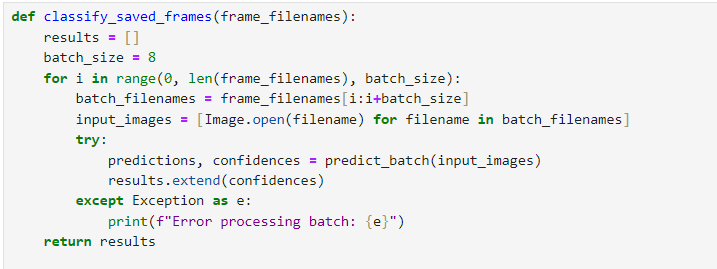
# **4.Predict Function for Batch of Images**



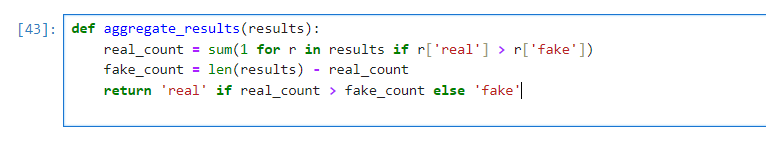
# **5.** **Extract Frames from Video**



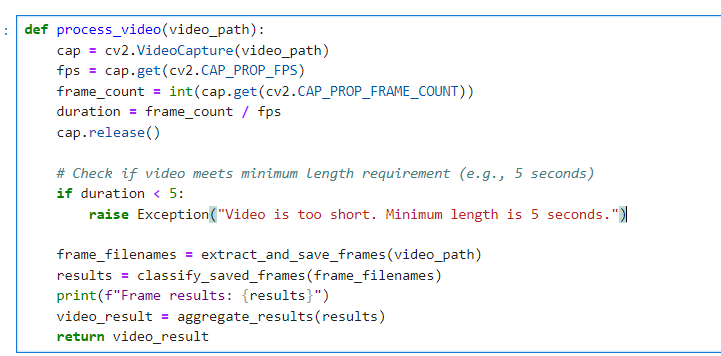
# **6.** **Classify Frames**



# **7.Aggregate Results**



# **8. Process Video**



# **9. Define Gradio Interface**

