# Social Media Emotion Detector in Pyodide-compatible Python

# Rule-based approach (lightweight for browser-based execution)

# Define a simple keyword-based function

def detect\_emotion(text):

text = text.lower()

if any(word in text for word in ["happy", "joy", "excited", "awesome", "great"]):

return "Joy"

elif any(word in text for word in ["sad", "depressed", "cry", "unhappy"]):

return "Sadness"

elif any(word in text for word in ["angry", "mad", "furious", "rage"]):

return "Anger"

elif any(word in text for word in ["afraid", "scared", "terrified", "anxious"]):

return "Fear"

elif any(word in text for word in ["surprised", "shocked", "amazed"]):

return "Surprise"

else:

return "Neutral"

# Sample inputs

examples = [

"I'm so happy and excited today!",

"This is the worst day ever. I feel so sad.",

"I can't believe how angry I am right now!",

"I'm scared about the exam tomorrow.",

"Nothing much happening. Just a regular day."

]

# Run predictions

for sentence in examples:

emotion = detect\_emotion(sentence)

print(f"Text: {sentence}\nDetected Emotion: {emotion}\n")