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# 📘 Extract Code Cells from Jupyter Notebook
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import nbformat as nbf
from nbformat import read

# Step 1 — Path to the uploaded notebook
notebook_path = "/mnt/data/weed_detect.ipynb"  # Change this path if needed

# Step 2 — Read the notebook
with open(notebook_path, "r", encoding="utf-8") as f:
    notebook_data = read(f, as_version=4)

# Step 3 — Extract all code cells
code_cells = [cell["source"] for cell in notebook_data["cells"] if cell["cell_type"] == "code"]

# Step 4 — Create a new notebook containing only the code cells
new_notebook = nbf.v4.new_notebook()
new_notebook['cells'] = [nbf.v4.new_code_cell(code) for code in code_cells]

# Step 5 — Save the new notebook as an output file
output_path = "extracted_weed_detect_code.ipynb"  # Output filename
with open(output_path, "w", encoding="utf-8") as f:
    nbf.write(new_notebook, f)

print(f"✅ Extracted notebook saved as: {output_path}")
```