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How to Schedule Python Script using Windows Scheduler

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In this post, you'll see the steps to schedule a Python script using the *Windows Scheduler*.

Steps to Schedule Python Script using Windows Scheduler

Step-1: Prepare the Python Script

For example, let's suppose that the goal is to display 'Hello World!' *each day at 6am*.

Here is the Python script to be used for our example (you may use another Python script based on your needs):

```python
import tkinter as tk

root= tk.Tk()

canvas1 = tk.Canvas(root, width = 300, height = 300)
canvas1.pack()

label1 = tk.Label(root, text='Hello World!')
canvas1.create_window(150, 150, window=label1)

root.mainloop()
```

Step-2: Save the Python Script

Once you're done writing the script, save it as a Python file (where the file extension is **.py**):

For instance, let's save the file as **hello_world.py** under the following path:

```
C:\Users\Ron\Desktop\hello_world.py
```

Step-3: Create Batch File to Run the Python Script

Next, create a batch file to run the Python script.

To start, open *Notepad*, and then use the following template:

```
"Path where your Python exe is stored\python.exe" "Path where your Pyt
pause
```

For our example:

- **The path where the Python exe is stored is**:
  "C:\Users\Ron\AppData\Local\Programs\Python\Python39\python.exe"
- **The Path where the Python script is stored is** (see step-2):
  "C:\Users\Ron\Desktop\hello_world.py"

Here are the paths in the *Notepad* (you'll need to adjust those paths to fit your instances):

```
"C:\Users\Ron\AppData\Local\Programs\Python\Python39\python.exe" "C:\U
pause
```

Finally, save the Notepad with your file name and the "bat" file extension:

file_name.bat

For example, let's save the Notepad as:

run_python_script.bat

Once you save the Notepad, a new batch file (called run_python_script) will be created at the specified location:

```
C:\Users\Ron\Desktop\run_python_script.bat
```

Step-4: Schedule the Python Script using the Windows Scheduler

In order to schedule the Python script using the Windows Scheduler:

- Open the Windows Control Panel and then click on the **Administrative Tools**
- Double-click on the **Task Scheduler**, and then choose the option to *'Create Basic Task…'*
- Type a name for your task (you can also type a description if needed), and then press **Next**. For instance, let's name the task as: **Run Hello World**
- Choose to start the task '**Daily**' since we wish to run the Python script daily at 6am. Also specify the start date and time (6am for our example)
- Select, **Start a program**, and then press **Next**
- Use the **Browse** button to find the batch file (**run_python_script.bat**) that runs the Python script. In our case:

```
C:\Users\Ron\Desktop\run_python_script.bat
```

Finally, click on **Finish**, and you should be good to go. From this point onward, you'll be greeted with 'Hello World!' everyday at 6am.

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