How to Convert the desktop script to Executable file

- **Create Virtual Env in windows and ubnutu:**
  - Python -m venv venv

- **Activate VENV:**
  1. windows
     - source Venv/Script/activate
  2. Ubnutu:
     - source venv/bin/activate
  3. Deactivate Venv:
     - Deactivate

- **Install all requirement to run your project:**
  - pip install -r requirement.txt

- **Install Pyinstaller:**
  - pip installer pyinstaller
  - pip installer auto-py-to-exe

- **Activate auto-py-to-exe:**

  - “auto-py-to-exe” run this command to particular path

- **First paste this code on top of your code :**
  - ✓ os.chdir(os.path.dirname(os.path.abspath(__file__)))

```
def resource_path(relative_path):
    try:
        base_path = sys._MEIPASS2
    except Exception:
        base_path = os.path.abspath(os.path.dirname(__file__))
    return os.path.join(base_path, relative_path)
```

- **Every .png and .jpg file this function call like this example:**

  - icon_path=resource_path("resources/VectorPlay.png")
  - app.setWindowIcon(QIcon(resource_path("sgLogo.png")))

- **Open GUI First:**

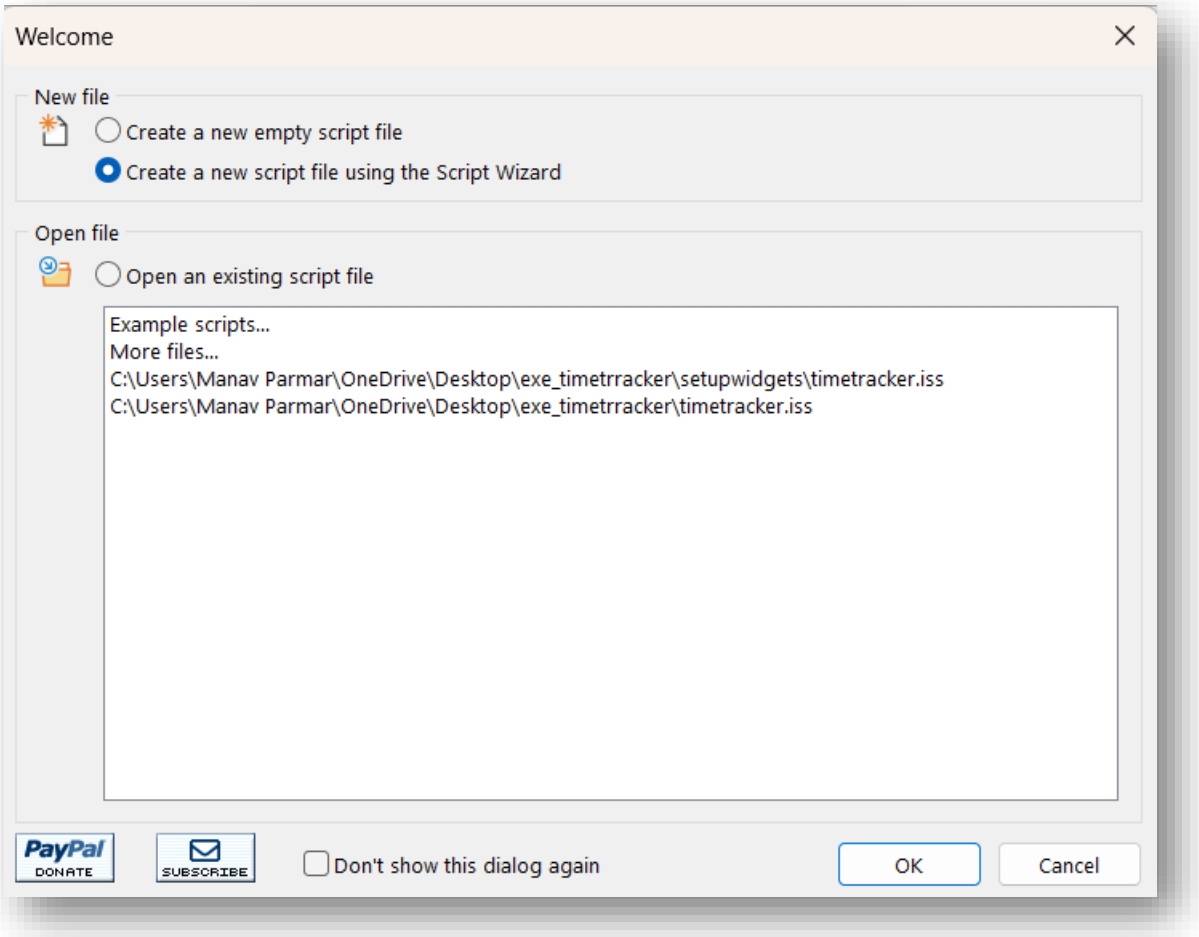
1. **Select main script file**
   - main.py
2. **Click on one directory your project is big and more folders in your project so click on one directory another wise click on one file**
3. **Click on console base when you are testing and check error are generate ya not other wise your project is done so your can selected on windows console**
4. **Select your .ico file for exe it can show a logo of your exe file**
5. **Click on additional files**
   - I suggest your project is big so you can selected all particular files .py file , logging.conf file and .png and .jpg file and if additional folder your project have and this project only for work like store photos and store csv file . So you can selected this folder
6. **Advance Files :**
   - If your project is testing and show the error logs so you can select the log levels dropdown
   - Now any additional information your project does have so you can input path values in this all information inside in Advance another skip this all information and now log levels are selected debug drop down and selectd all another wise your selected import and bootloader etc. import error generate and show only import error and all is show the all error.
7. **Settings:**
   - You can selected the output folder when exe file is store
8. **Convert py to exe :**
   - All are done after click on Convert py to exe

- **Error:**
  - **Formatters:**
    - Your project is does have any logs file so remove this logs file extension and logics
    - Import error fix the import error
- **Check Error:**
  - **If selected console :**
    - **Open terminal and type cmd :**
      - Python main.exe

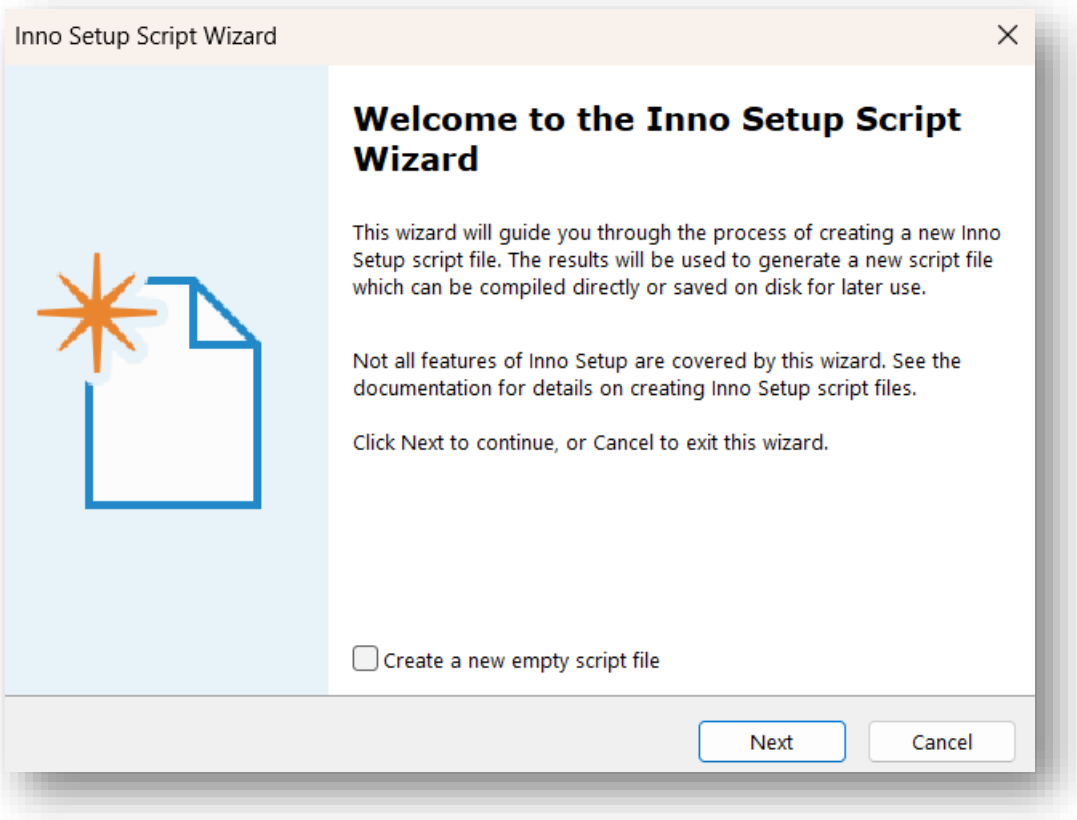
- **Load Ui Error in EXE:**
  - Use this path:
    - Cmd write in __inti__ method:
      - Ui_path=os.path.dirname(os.path.abspath(__file__))
      - Uic.loadUi(os.path.join(ui_path, ”demo.ui”),self)

Convert the EXE to Setup Wizard

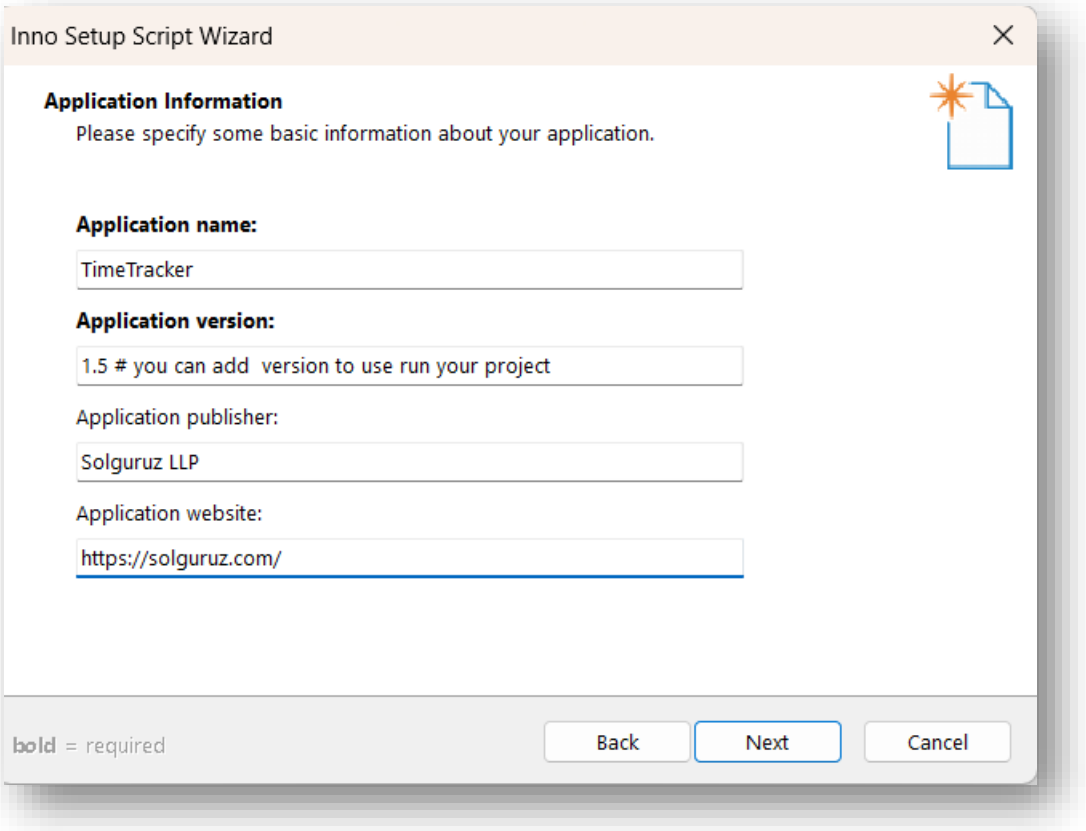
1 Screen shot :



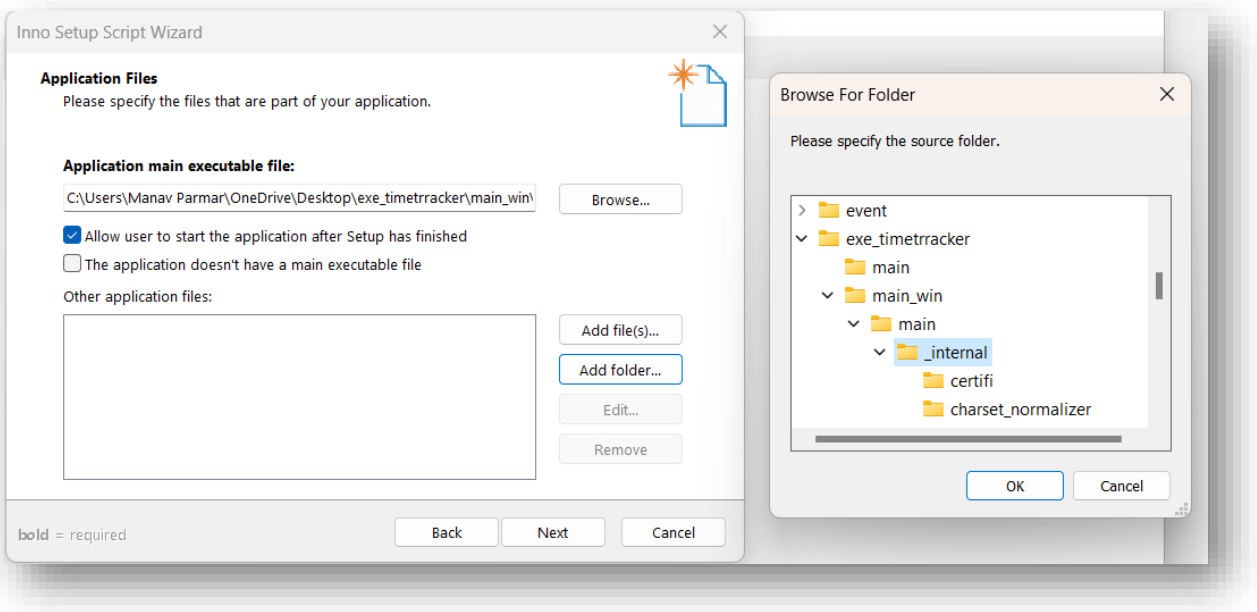
2. Screen Shot



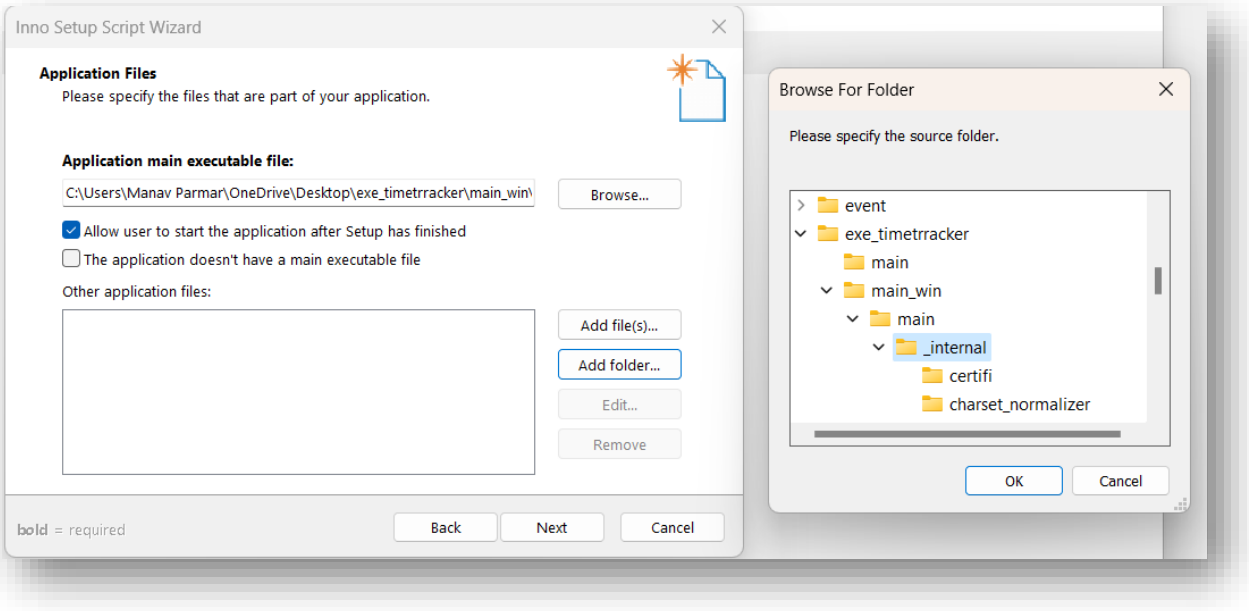
3. ScreenShot



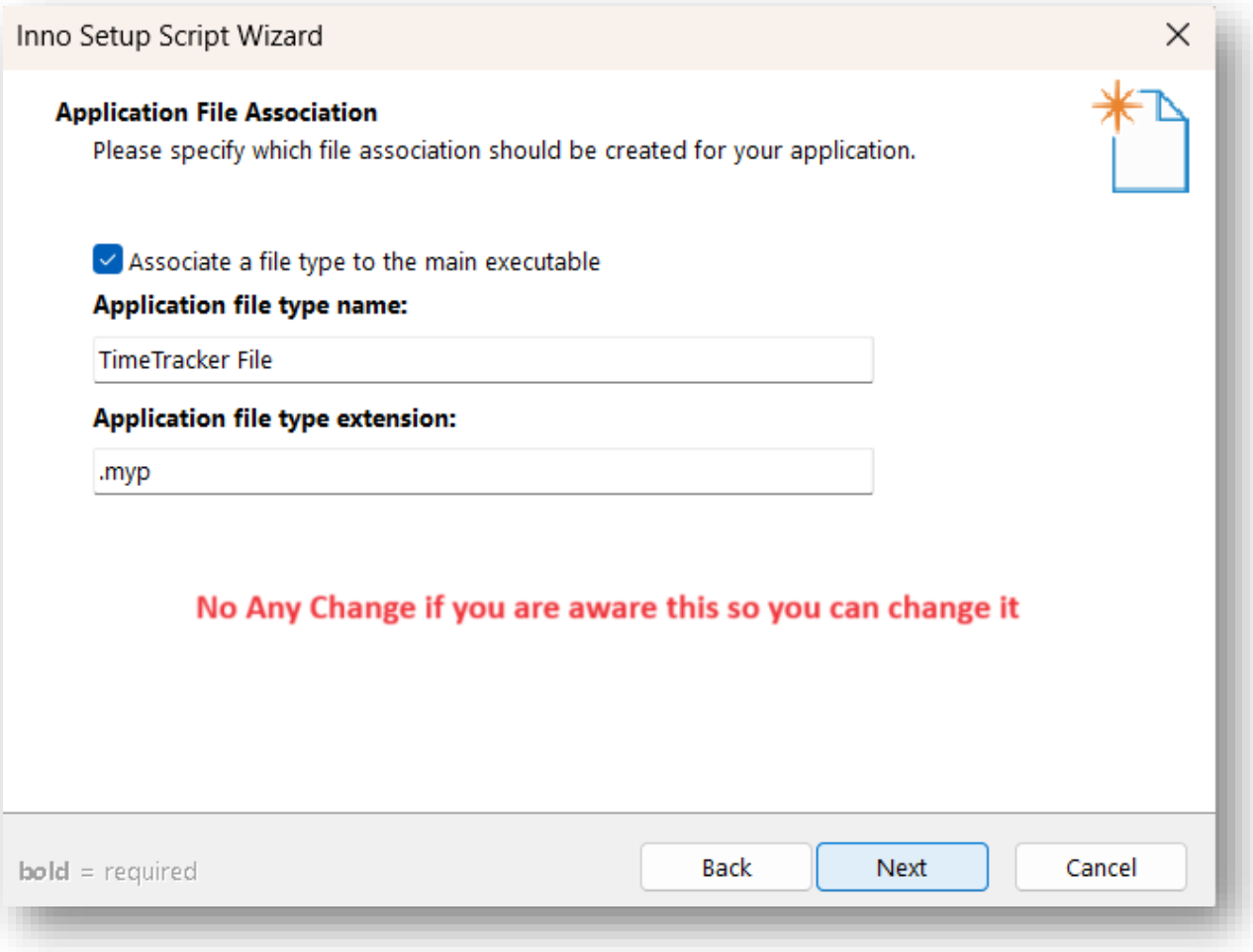
4. Screenshot



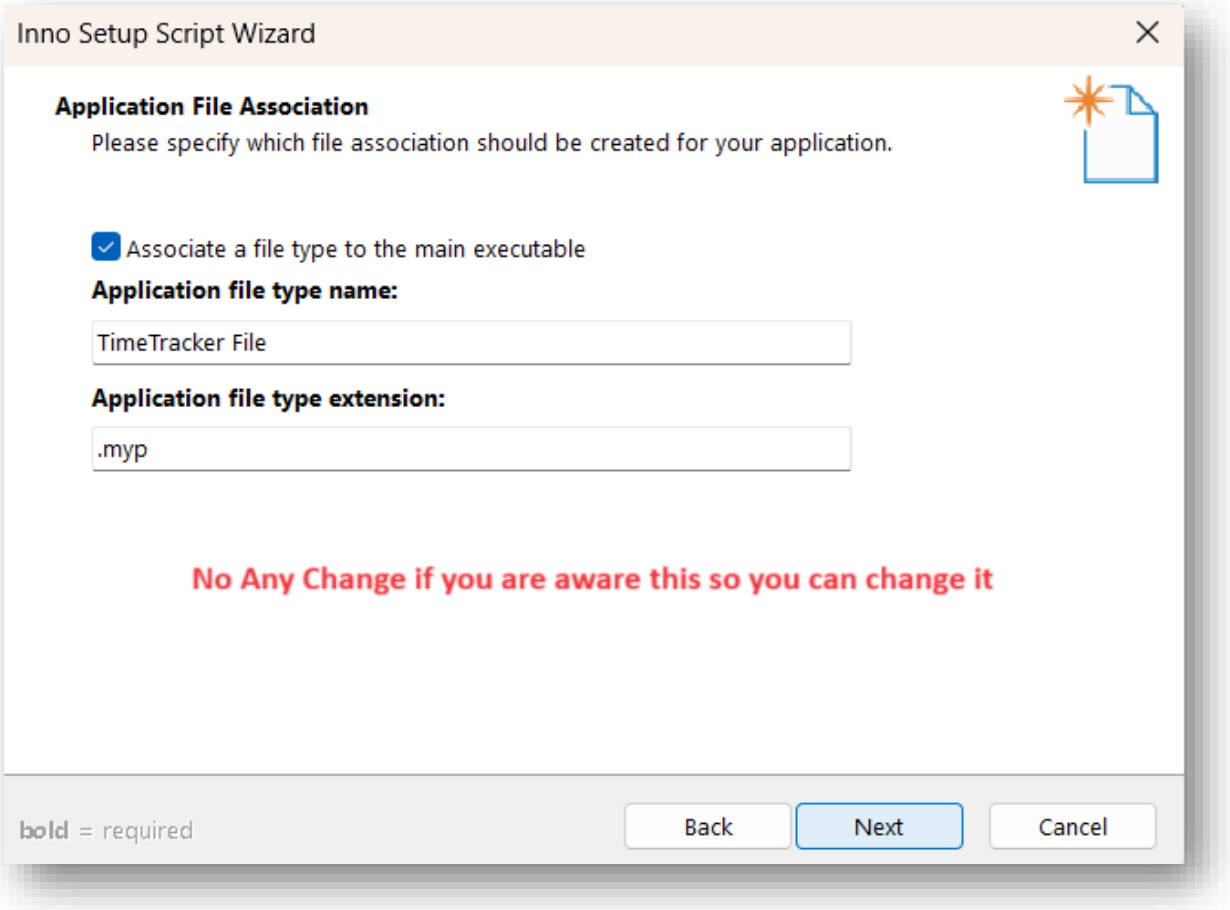
5.ScreenShot



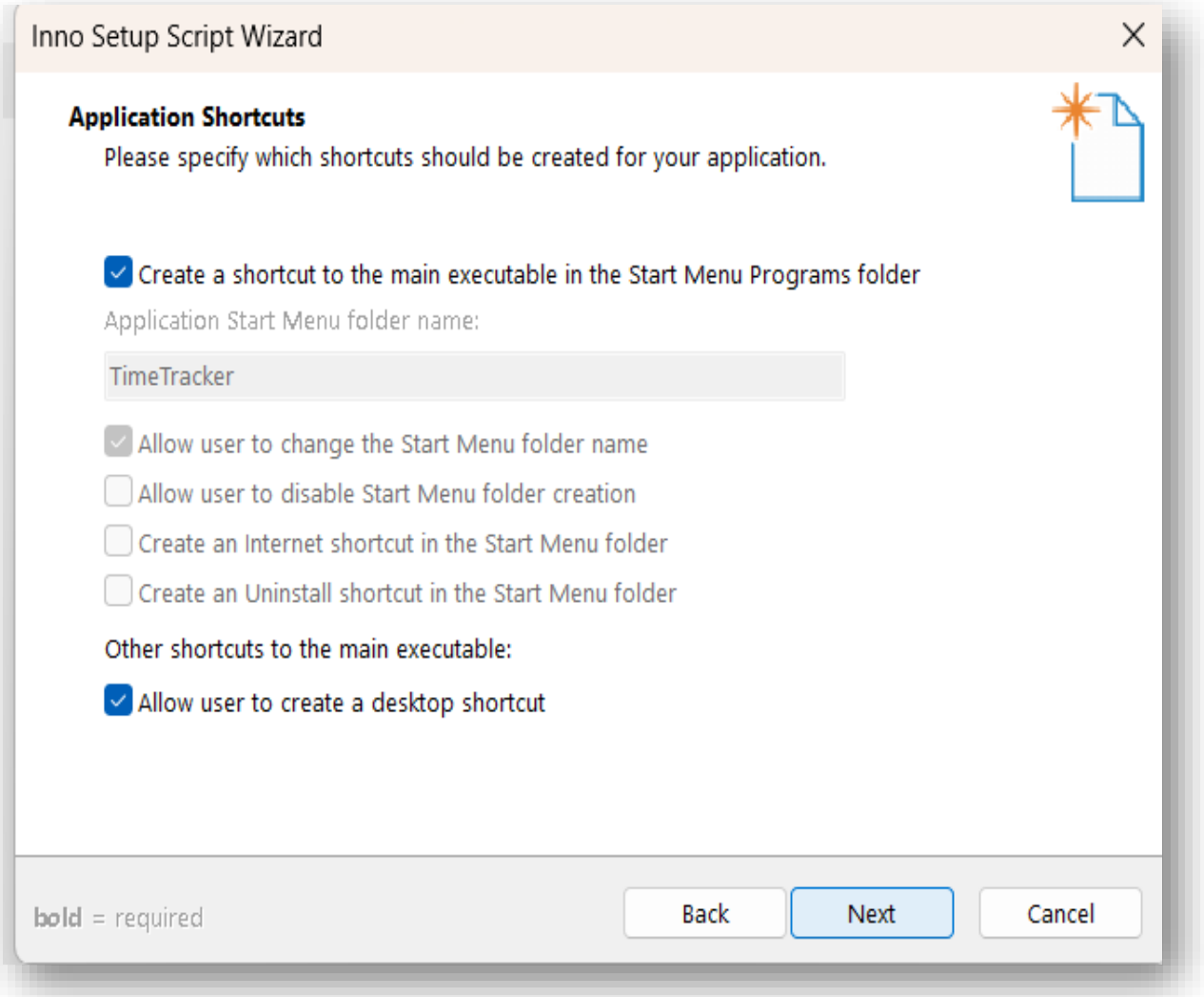
6. Screen Shot



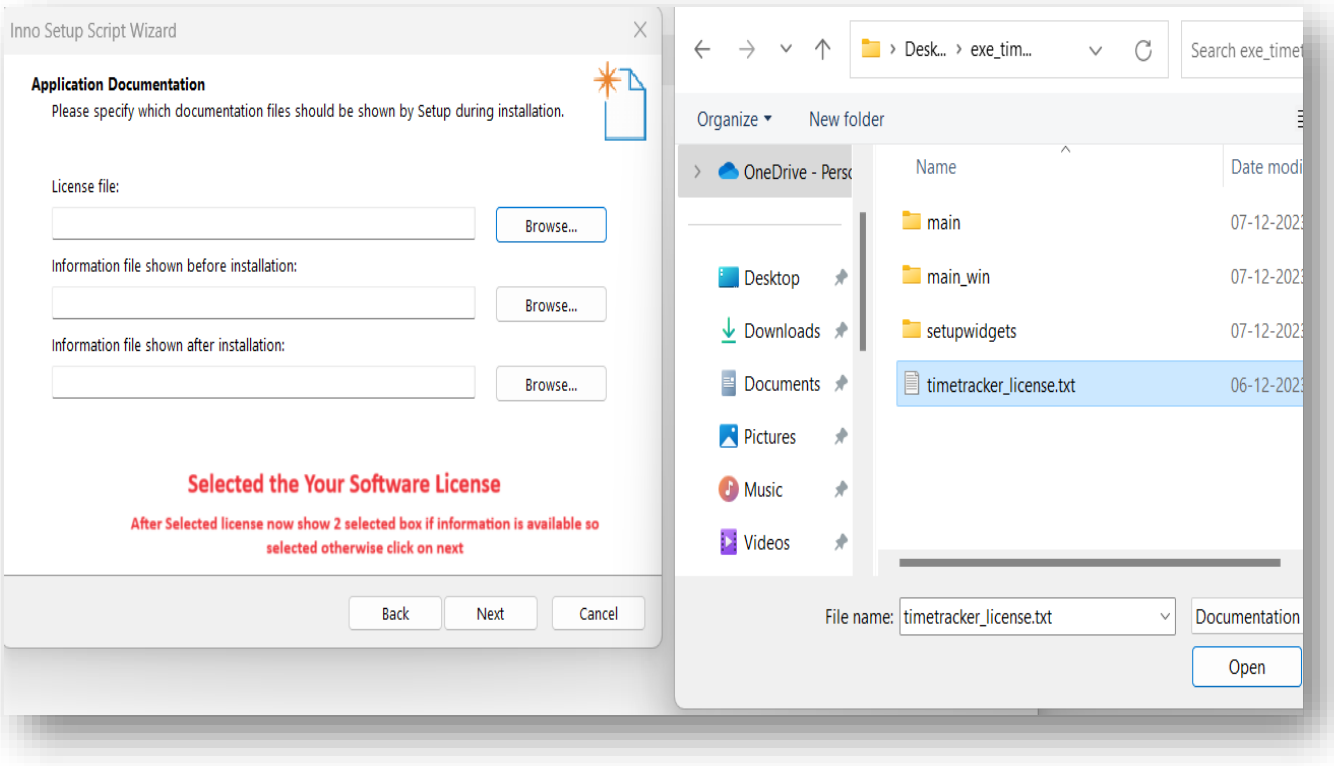
7. Screen Shot



8.Screen Shot



9.Screen Shot



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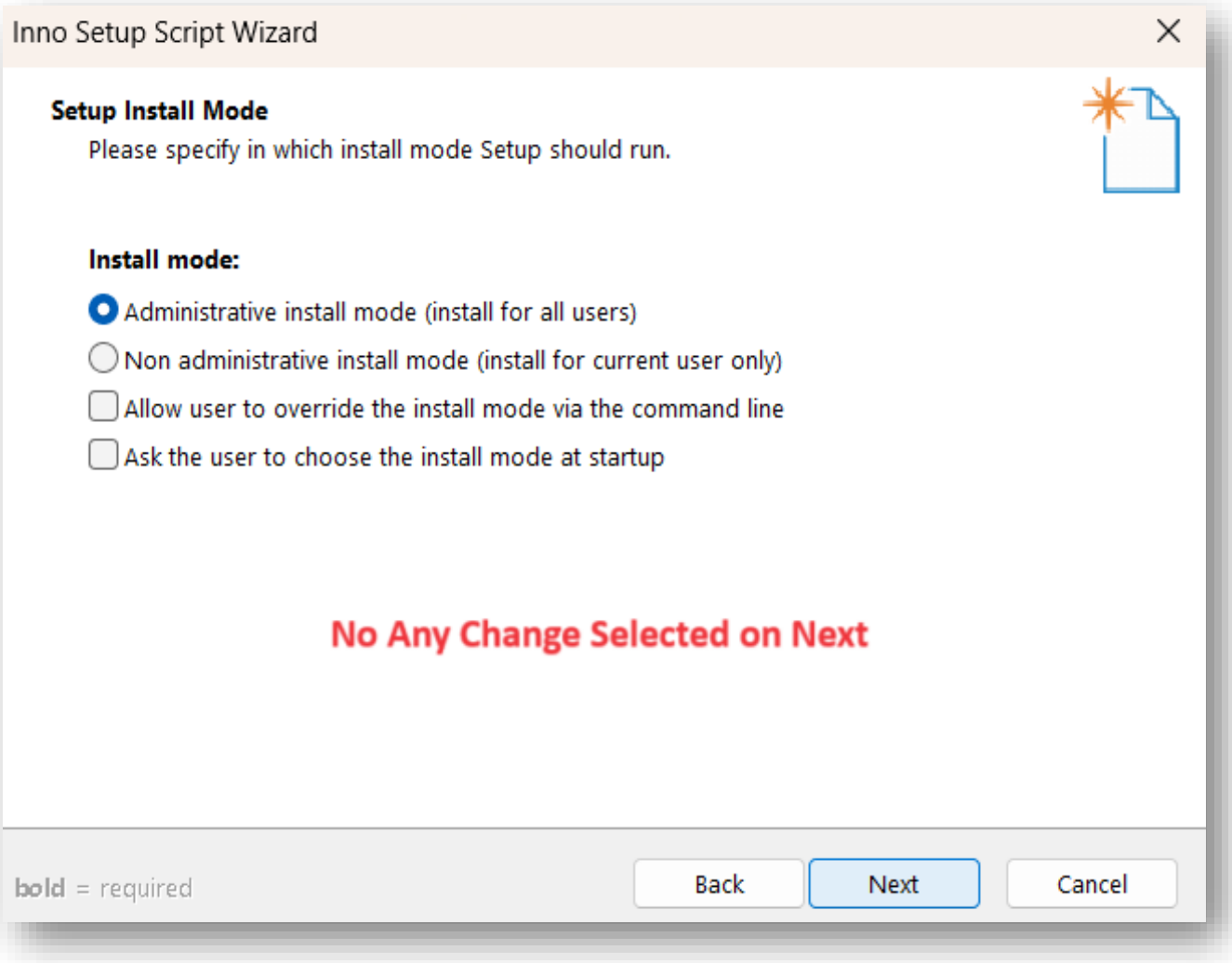
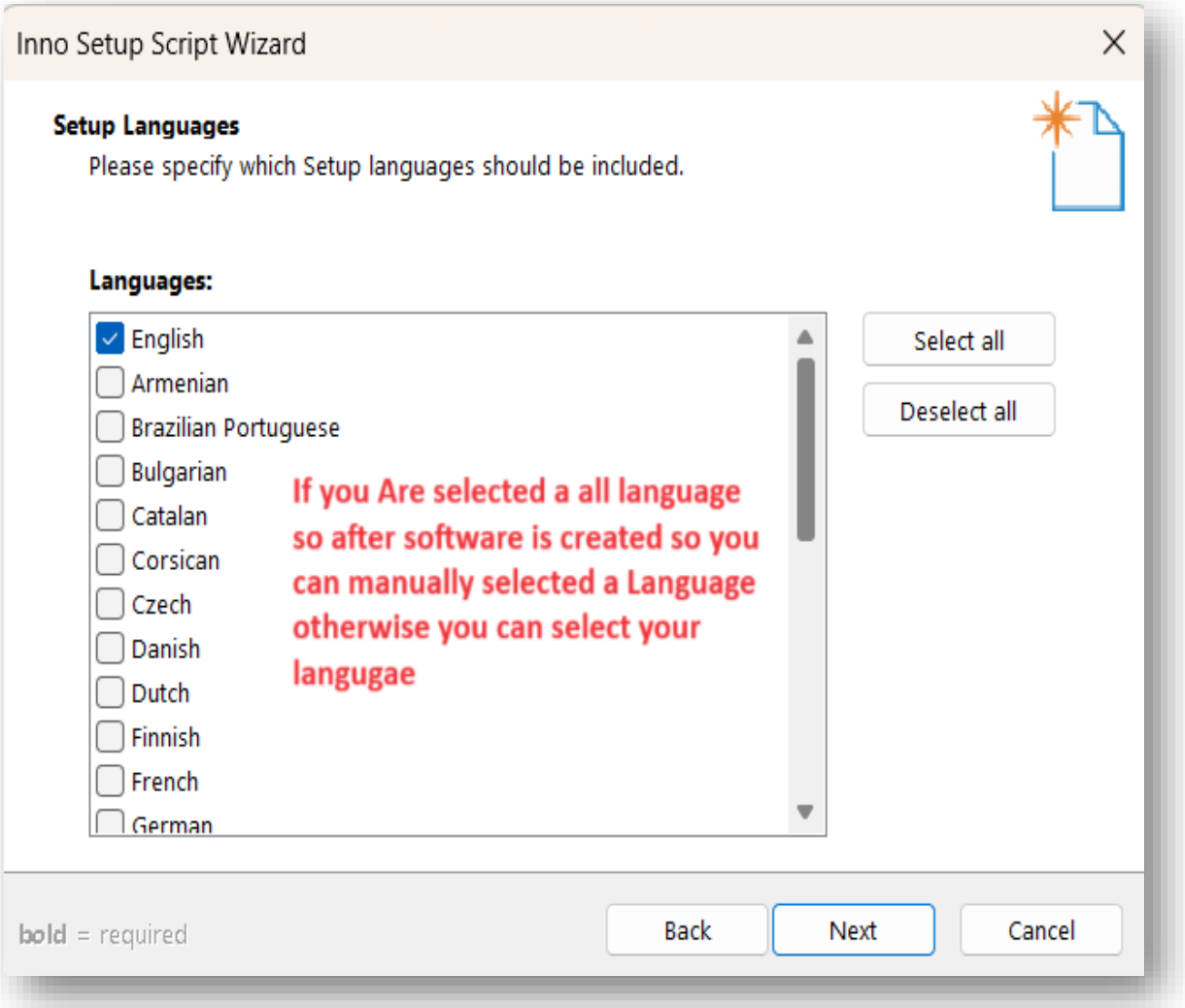
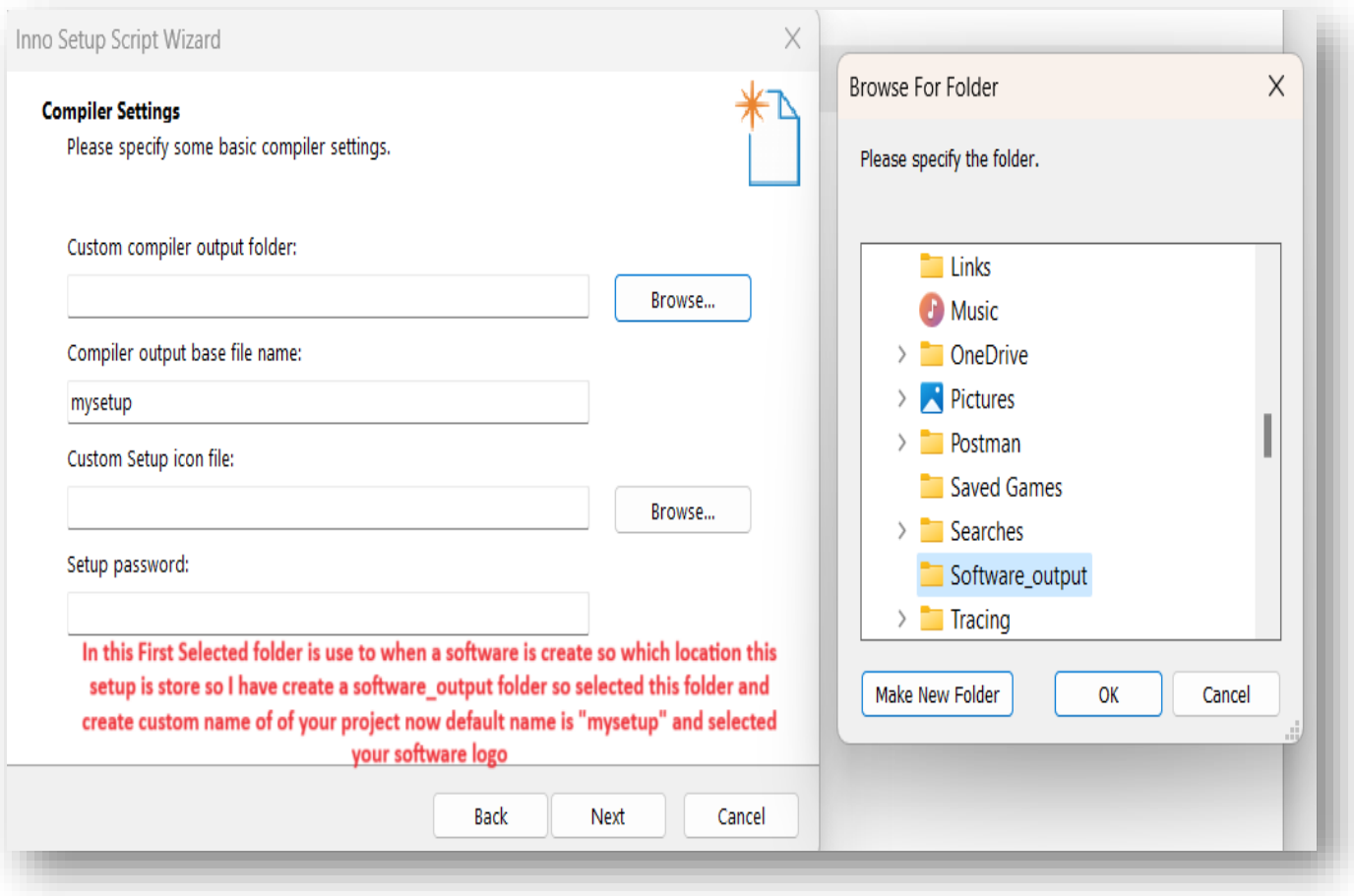


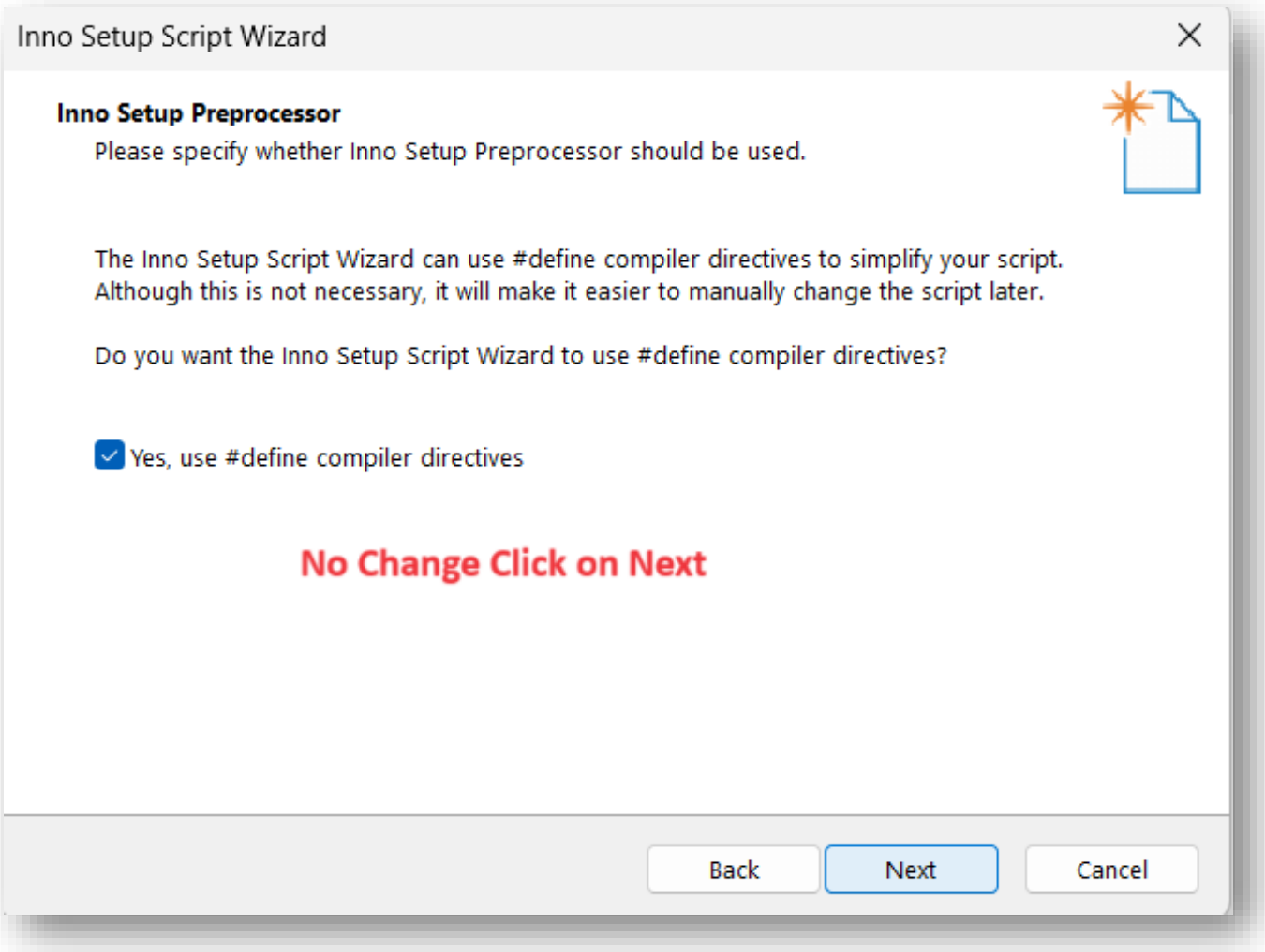
11.Screen Shot



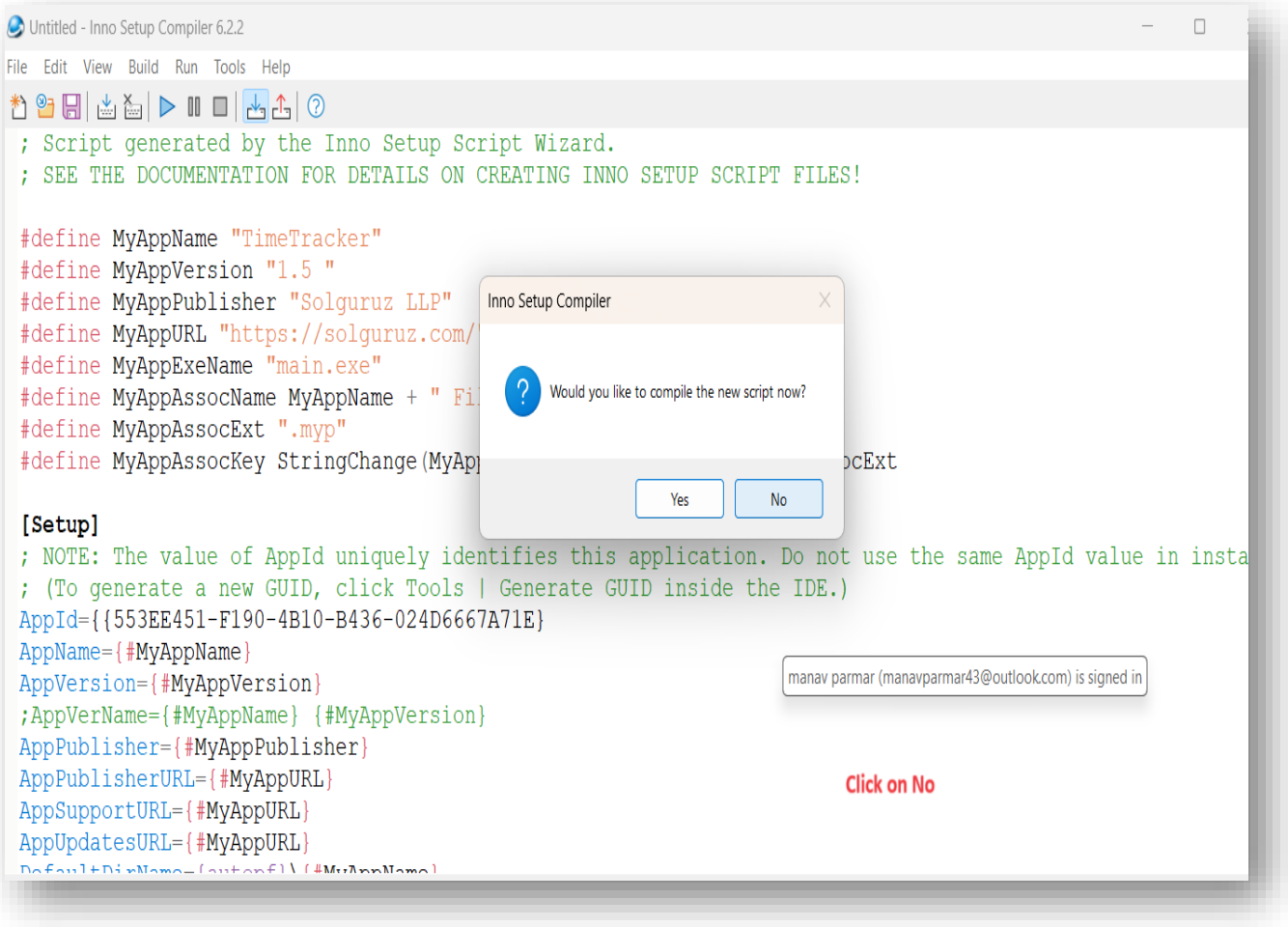
12.Screen Shot



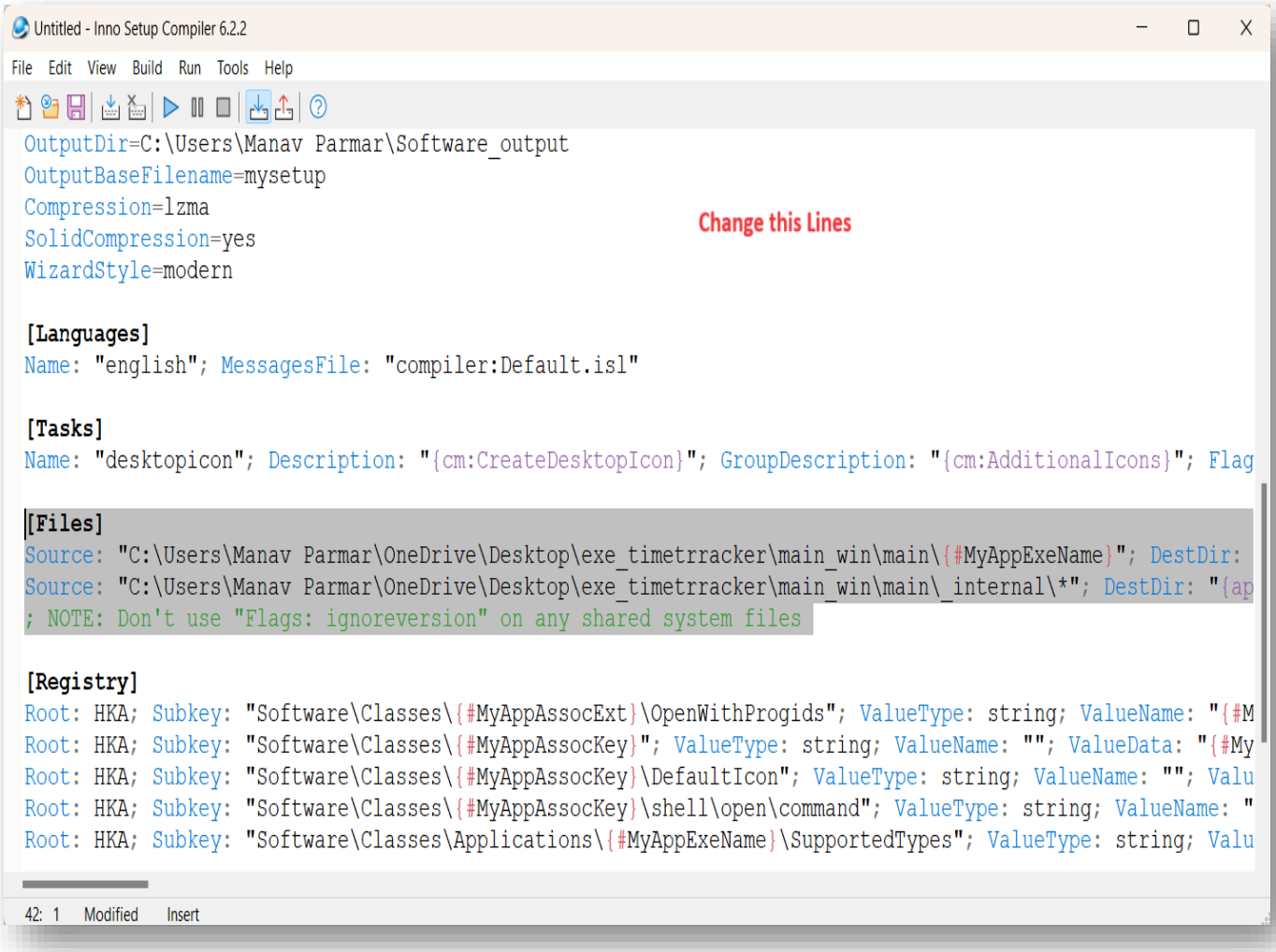
13.Screen Shot



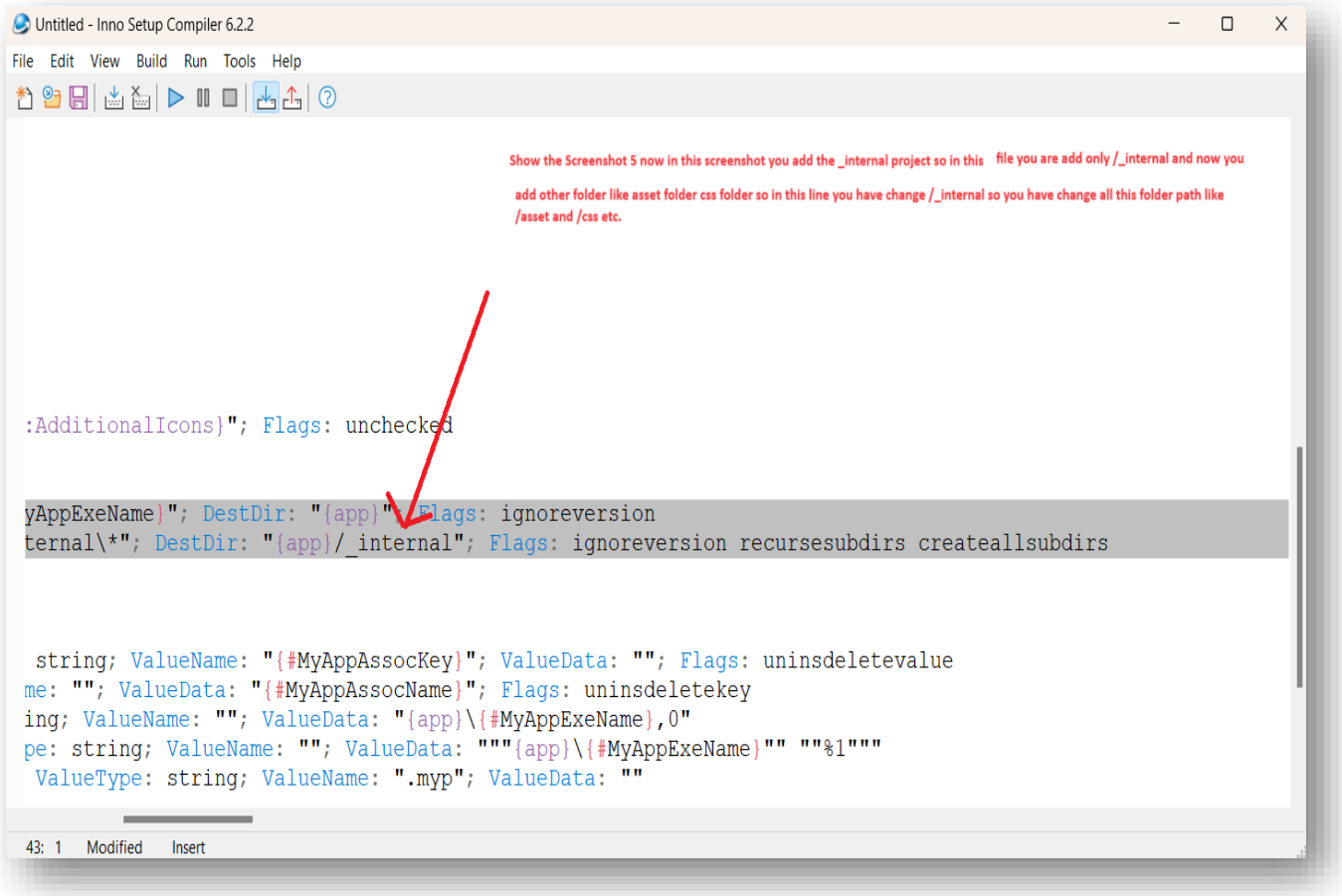
14.Screen Shot



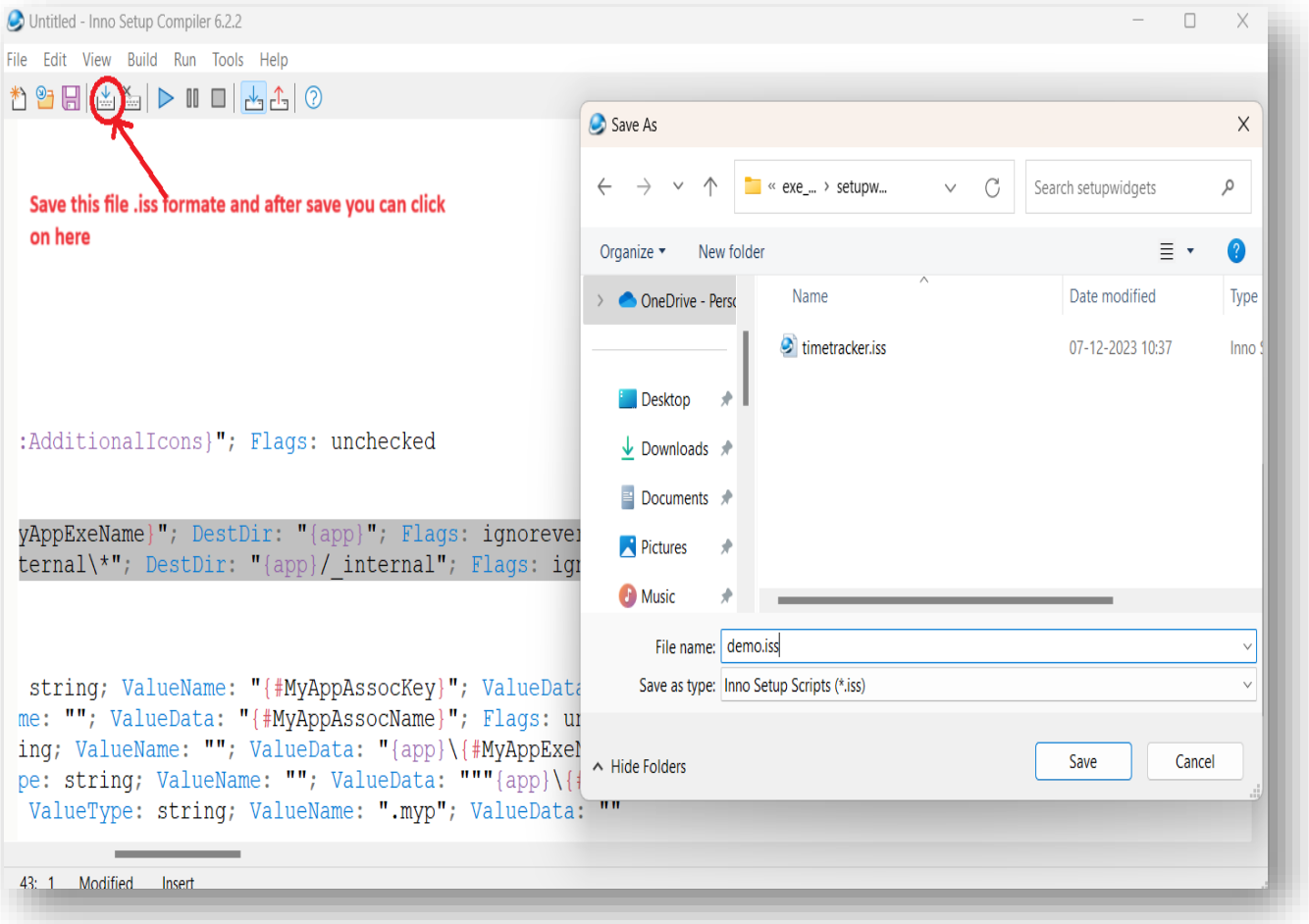
15.ScreenShot



16.ScreenShot



17. screen shot



18. Errors:

- ✓ Your Ui not load after convert the exe to setup so you can remove this code and paste this code and return the convert the py to exe and exe to setup

✶ Remove Code :

- ✓ Ui_path=os.path.dirname(os.path.abspath(__file__))
- ✓ uic.loadUi(os.path.join(ui_path, ”demo.ui”),self)

- ✶ Add This Code :
  - ✓ exe_dir = os.path.dirname(sys.executable) if getattr(sys, 'frozen', False) else os.path.dirname(__file__)

  - ✓ ui_path = os.path.join(exe_dir, "_internal", "login.ui")

- ✶ Simple Run the project:
  - uic.loadui(“ui/demo.ui”,self)

Errors Logs to Setup the project in different Environment

Global Errors:

Error :

- return open_func(self.baseFilename, self.mode, FileNotFoundError: [Errno 2] No such file or directory: 'C:\\Users\\xyzlm\\OneDrive\\Desktop\\timetracker\\time-tracker-desktop-client\\logs\\2023-11-29.log'

Solutions:

- Create blank logs folder inside Timetracker

Ubuntu 22.04:

Error :

install the all requirement and facing this error :

- Sipbuild.exceptions.UserException

Solution is :

- pip install --upgrade sip
- pip install --upgrade pip

Run this command after type this:

- ✶ pip install -r requirements.txt

Error:

- The virtual environment was not created successfully because ensure pip is not
- available. On Debian/Ubuntu systems, you need to install the python3-venv
- package using the following command.

Solution :

- sudo apt install python3.8-venv
- when You Are type firsttime command so create venv autometically now delete this venv and second time requirement of venv so type this cmd
- python3 -m venv venv

Ubuntu 20.04:

Error:

- ✓ The virtual environment was not created successfully because ensure pip is not
- ✓ available. On Debian/Ubuntu systems, you need to install the python3-venv
- ✓ package using the following command.

Solution :

- ➢ sudo apt install python3.8-venv
- ➢ when u r type firsttime command so create venv autometically now delete this venv and second time requirement of venv so type this cmd
- ➢ python3 -m venv venv

Error :

- You must install tkinter on Linux to use MouseInfo. Run the following: sudo apt-get install python3-tk python3-dev

Solution:

- ➢ sudo apt-get install python3-tk python3-dev