

# There are following steps to create .msi file and .exe file

## 1<sup>st</sup> Step ->

Firstly we create a folder to store main.py file and those file and folder which one is used in main.py files like images and database folder where we store one or more databases and also a icon(.ico) to display in .exe file.

## 2<sup>nd</sup> Step ->

**Then we create a setup.py file and print it in following code in setup.py file.**

```
import cx_Freeze
```

```
import sys
```

```
import os
```

```
base = None
```

```
if sys.platform == 'win32':
```

```
    base = "Win32GUI"
```

```
os.environ['TCL_LIBRARY'] = r"C:\Program Files\Python311\tcl\tcl8.6"
```

```
os.environ['TK_LIBRARY'] = r"C:\Program Files\Python311\tcl\tk8.6"
```

```
executables = [cx_Freeze.Executable("Library_Management_System.py", base=base,
icon="LMSICON.ico")]
```

```
cx_Freeze.setup(name = "Library Management System", options = {"build_exe":
{"packages":["tkinter","os"], "include_files":["LMSICON.ico",'tcl86t.dll','tk86t.dll',
'Library_images','database']}},
version = "1.0",
description = "Library Management System | Developed By Krishna Raj Singh",
executables = executables
)
```

### **3<sup>rd</sup> Step ->**

Then you press the window button and search python. And Right click on python(app) and click on open file location and again Right click on Python (shortcut) type(app) and click on open file location.

### **4<sup>th</sup> Step ->**

And Now we go on the tcl folder and click it. And there are two folders tcl8.6 and tk8.6 and copy the path of both folders. And go back to DDLs folder and copy the tcl86t.dll and tk86t.dll python extension and paste it in your main folder where your all files and folders.

```
os.environ['TCL_LIBRARY'] = r"C:\Program Files\Python311\tcl\tcl8.6"
```

```
os.environ['TK_LIBRARY'] = r"C:\Program Files\Python311\tcl\tk8.6"
```

tcl8.6 folder path paste in ['TCL\_LIBRARY'] and tk8.6 folder path in ['TK\_LIBRARY']

## 5<sup>th</sup> Step ->

And print your.py file name in place of

Library\_Management\_System.py and icon = your.ico file name

```
executables = [cx_Freeze.Executable("Library_Management_System.py",  
base=base, icon="LMSICON.ico")]
```

## 6<sup>th</sup> Step ->

```
cx_Freeze.setup(name = "Library Management System", options = {"build_exe":  
{"packages":["tkinter","os"], "include_files":["LMSICON.ico",'tcl86t.dll','tk86t.dll',  
'Library_images','database']}},
```

```
version = "1.0",
```

```
description = "Library Management System | Developed By Krishna Raj Singh",
```

```
executables = executables
```

```
)
```

In there we can define name of your .exe file in name section and in include file section define your folders and files is in there.

## 7<sup>th</sup> Step ->

Now we go to main folder where your all files and folders and run the cmd command in there folder and run command in cmd.

```
python setup.py(this is your file name where you write code in step wise)  
bdist_msi
```

## 8<sup>th</sup> Step ->

Now we go to main folder where the create a dict folder and open it there are a msi file and click on msi file and install it. And go to build folder in main folder there has your .exe file and you can create shortcut on window.