INT213

PYTHON PROJECT REPORT
TASK NOTIFIER : APP FOR DESKTOP

SUBMITTED BY

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SUBJECT: Python Programming

SUBJECT CODE: INT213

BATCH: K20PT

Task Notifier:

Task Notifier is a Desktop application from which user can set the notification as per their time with title and message.

Requierments:

- Python(3.9.0)(Project done by using Visual Studio Code)
- Plyer(2.0.0)
- Pillow(8.0.1)

Use Of Plyer:

Installation:

pip install plyer

Syntax:

notify(title='', message='', app_name='', app_icon='', timeout=10, ticker='', toast=False)

Purpose:

Send a notification.

Parameters:

- **title** (*str*) – Title of the notification
- **message** (*str*) – Message of the notification

- **app_name** (*str*) – Name of the app launching this notification
- **app_icon** (*str*) – Icon to be displayed along with the message(most importantly file should be in .ico format)
- **timeout** (*int*) – time to display the message for, defaults to 10
- **ticker** (*str*) – text to display on status bar as the notification arrives
- **toast** (*bool*) – simple Android message instead of full notification

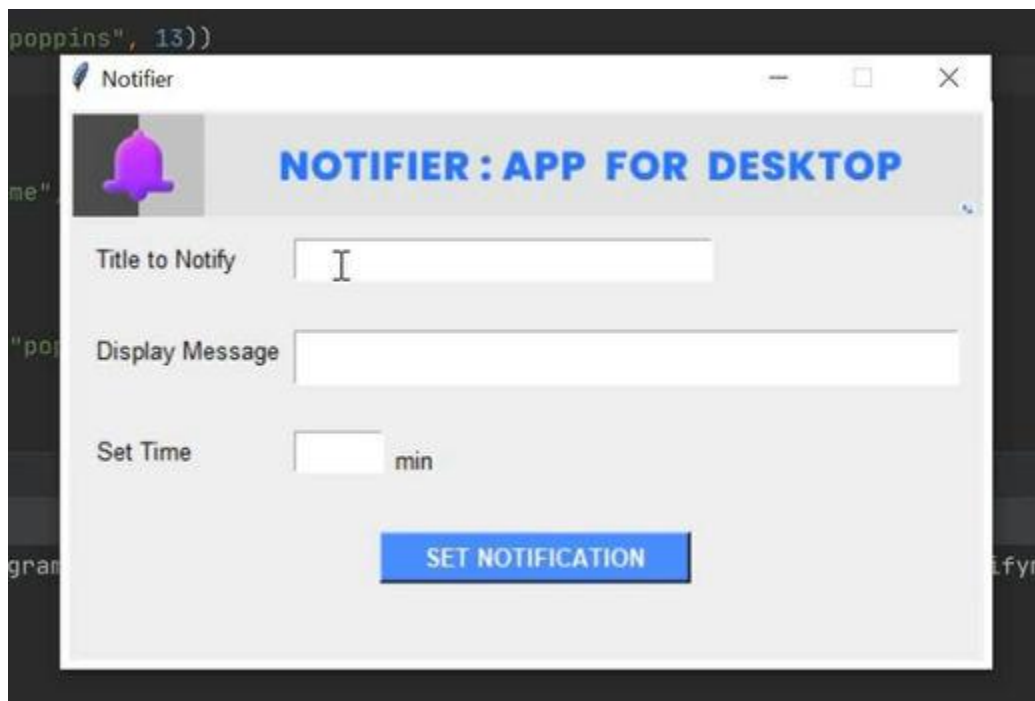## Use Of Pillow(PIL):

Installation:

pip install pillow

Syntax:

img = Image.open("notify-label.png")

The Python Imaging Library(PIL) adds image processing capabilities to Python interpreter.

This library provides extensive file format support, an efficient internal representation, and fairly powerful image processing capabilities.
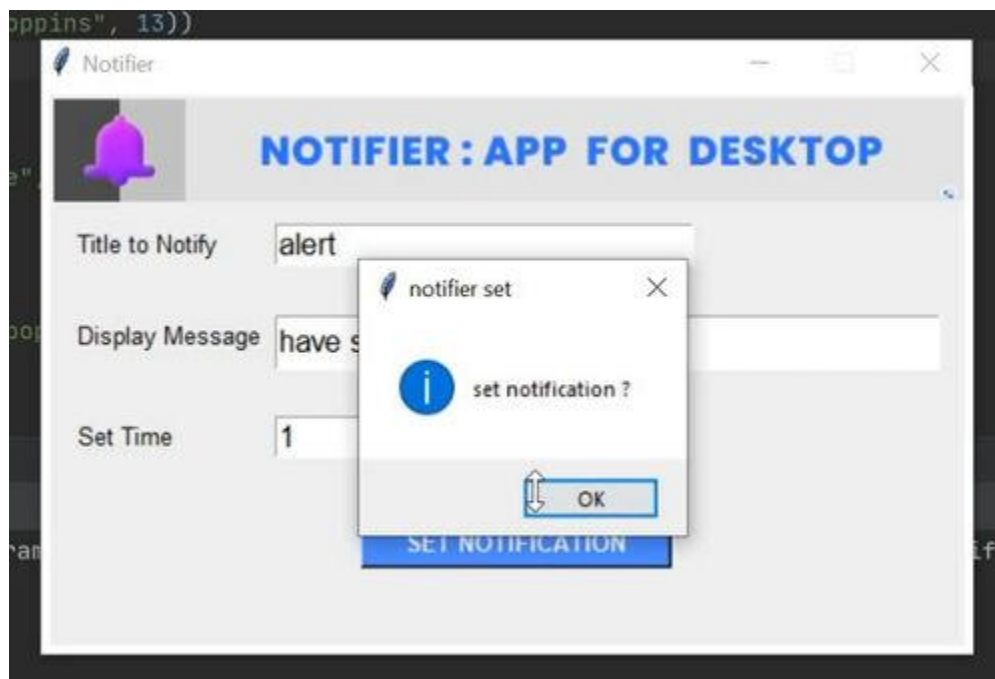
Working Of Task Notifier:

tkinter is the most commonly used method to create GUI. Python with tkinter is the fastest and easiest way to create the GUI applications. So we have also used tkinter for our Graphical User Interface(GUI).

Setting Notification:

There are total 3 options you have to fill to set a notification:

- Title(For example: alert, notification etc..)
- Display Message(For example: get some sleep, Take your Tablets)
- Set Time(You can only set time in minutes. For example: you can set 1 min(int type) or you can set 0.4 min(float type)
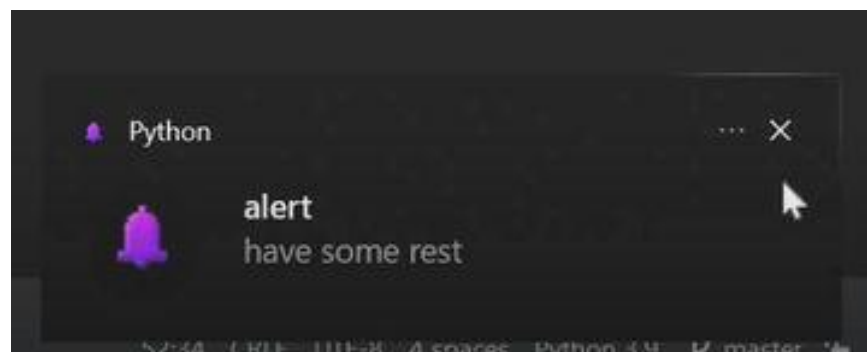
If you haven't filled all 3 fields then you will get error in message box saying, Alert - All fields are required!

If you have filled all 3 fields correctly then you will get conformation notification in message box saying, notifier set – Set notification?. Click OK to confirm the setting of notification.

Output:

The output will displayed in right corner of your display for 10 seconds time limit with sound notification , You can also able see notification in your desktop notification bar.

The End

Thank You