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"IMAGE REPORT"
CONVERSION OF BMP TO PNG FILE FORMAT

*as we know we have to understand WHAT DOES IMAGE FILE FORMAT MEAN?
They are standardized means of organizing and storing images . They can store images in an uncompressed file format(lossy or lossless)*

=>> the difference between BMP and PNG:

- *BMP FILE FORMAT:*

it is known as bitmap image file ,(DIB)is a raster graphics image file format used to store bitmap digital images , independently of the display device such as graphics adapter , as the BMP file format can store 2D digital images both monchrome and color , in various color depth and optionally with data compression,alpha channel.

BMP files always contain RGB data , the file can be :
- 1-bit :2colors(monochrome)
- 4-bit:16 colors
- 8-bit:256 colors
- 24-bit:16777216 colors:256 (red) , 256(green) , 256(blue)

PNG FILE FORMAT:
its known as portable network graphics is a raster image file format that uses lossless compression . This file format was created as a replacement of graphics interchange format ,as PNG doesn't support animation but support only lossless image compression . PNG has high quality graphic file format , it commonly used to store web graphics , digital photographs , so it is good for editing an storage as time passes it becomes the most widely used image file formats.

file size of BMP :

relatively from 1 to 2 MB

CODE USING PYTHON :

```
from PIL import Image
import glob
import os

out_dir = ''
```

```
cnt = 0
for img in glob.glob('path/to/images/*.bmp'):
    Image.open(img).resize((300,300)).save(os.path.join(out_dir, str(cnt) +
'.png'))
    cnt += 1
```