In [45]:

```
import numpy as np
import os
import matplotlib.image
import matplotlib.pylab as plt  #1
from PIL import Image

def plti(im, h=8, **kwargs):
    """
    Helper function to plot an image.
    """
    y = im.shape[0]
    x = im.shape[1]
    w = (y/x) * h
    plt.figure(figsize=(w,h))
    plt.imshow(im, interpolation="none", **kwargs)
    plt.axis('off')

%matplotlib inline



rootDir = 'photos'
for dirName, subdirList, fileList in os.walk(rootDir):
    print('Found directory: %s' % dirName)
for fname in fileList:
    print('\t%s' % fname)
    print('Found directory: %s' % dirName)

src_dir = r"C:\Users\Daniyal\photos"
dst_dir = r"C:\Users\Daniyal\photos"

for jpgfile in glob.iglob(os.path.join(src_dir, "*.jpg")):
    shutil.copy(jpgfile, dst_dir)


a = np.array([([plt.imread("a.jpg")], [plt.imread("b.jpg")], [plt.imread("c.jpg")],
          [plt.imread("d.jpg")],[plt.imread("e.jpg")],[plt.imread("f.jpg")],
          [plt.imread("g.jpg")],[plt.imread("h.jpg")],[plt.imread("i.jpg")],
          [plt.imread("j.jpg")],[plt.imread("k.jpg")],[plt.imread("l.jpg")],
          [plt.imread("m.jpg")], [plt.imread("n.jpg")],[plt.imread("o.jpg")],
          [plt.imread("p.jpg")],[plt.imread("q.jpg")],[plt.imread("r.jpg")],
          [plt.imread("s.jpg")],[plt.imread("t .jpg")])])


#im = plt.imread("C:\Users\Daniyal\photos\a.jpg")

print(type(im))
plti(im)
print( im.shape )


im = im[0:200,0:200,:3]
plti(im)
print( im.shape )

```

```
Found directory: photos
        a.jpg
```

```
Found directory: photos
        b.jpg
Found directory: photos
        c.jpg
Found directory: photos
        d.jpg
Found directory: photos
        e.jpg
Found directory: photos
        f.jpg
Found directory: photos
        g.jpg
Found directory: photos
        h.jpg
Found directory: photos
        i.jpg
Found directory: photos
        j.jpg
Found directory: photos
        k.jpg
Found directory: photos
        l.jpg
Found directory: photos
        m.jpg
Found directory: photos
        n.jpg
Found directory: photos
        o.jpg
Found directory: photos
        p.jpg
Found directory: photos
        q.jpg
Found directory: photos
        r.jpg
Found directory: photos
        s.jpg
Found directory: photos
        t.jpg
Found directory: photos
        u.jpg
Found directory: photos
```

```
---------------------------------------------------------------------------
-
SameFileError                             Traceback (most recent call las
t)
<ipython-input-45-44006e2f8dd5> in <module>
     31
     32 for jpgfile in glob.iglob(os.path.join(src_dir, "*.jpg")):
---> 33     shutil.copy(jpgfile, dst_dir)
     34
     35

~\Anaconda3\lib\shutil.py in copy(src, dst, follow_symlinks)
    239     if os.path.isdir(dst):
    240         dst = os.path.join(dst, os.path.basename(src))
--> 241     copyfile(src, dst, follow_symlinks=follow_symlinks)
    242     copymode(src, dst, follow_symlinks=follow_symlinks)
    243     return dst

~\Anaconda3\lib\shutil.py in copyfile(src, dst, follow_symlinks)
```

```
    102     """
    103     if _samefile(src, dst):
--> 104         raise SameFileError("{!r} and {!r} are the same file".form
at(src, dst))
    105
    106     for fn in [src, dst]:

SameFileError: 'C:\\Users\\Daniyal\\photos\\a.jpg' and 'C:\\Users\\Daniyal
\\photos\\a.jpg' are the same file
```

In [ ]:

```
1
```