

Send email using the TO, CC and BCC lines

Now we just need to figure out how to send using the CC and BCC fields. Let's create a new version of this code that supports that functionality!

```
import os
import smtplib
import sys

from configparser import ConfigParser

def send_email(subject, body_text, to_emails, cc_emails, bcc_emails):
    """
    Send an email
    """
    base_path = os.path.dirname(os.path.abspath(__file__))
    config_path = os.path.join(base_path, "email.ini")

    if os.path.exists(config_path):
        cfg = ConfigParser()
        cfg.read(config_path)
    else:
        print("Config not found! Exiting!")
        sys.exit(1)

    host = cfg.get("smtp", "server")
    from_addr = cfg.get("smtp", "from_addr")

    BODY = "\r\n".join((
        "From: %s" % from_addr,
        "To: %s" % ', '.join(to_emails),
        "CC: %s" % ', '.join(cc_emails),
        "BCC: %s" % ', '.join(bcc_emails),
        "Subject: %s" % subject,
        "",
        body_text
    ))

    emails = to_emails + cc_emails + bcc_emails

    server = smtplib.SMTP(host)
    server.sendmail(from_addr, emails, BODY)
    server.quit()

if __name__ == "__main__":
    emails = ["mike@somewhere.org"]
    cc_emails = ["someone@gmail.com"]
    bcc_emails = ["schmuck@newtel.net"]

    subject = "Test email from Python"
```

```
body_text = "Python rules them all!"  
send_email(subject, body_text, emails, cc_emails, bcc_emails)
```

In this code, we pass in 3 lists, each with one email address a piece. We create the CC and BCC fields exactly the same as before, but we also need to combine the 3 lists into one so we can pass the combined list to the `sendmail()` method. There is some talk on forums like StackOverflow that some email clients may handle the BCC field in odd ways that allow the recipient to see the BCC list via the email headers. I am unable to confirm this behavior, but I do know that Gmail successfully strips the BCC information from the email header.

Now we're ready to move on to using Python's email module!