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Answers to Even-numbered Exercises

2. How would Max store a copy of his email in **~/mbox** and send a copy to **max@example.com**?

   Max needs to create a **~/.forward** file with the following lines:

   ```
   $ cat ~/.forward
   ~/mbox
   max@example.com
   \max
   ```

4. What does **dnl** stand for in the m4 macro language? What are **dnl** commands used for?

   The **dnl** command, which stands for **delete to new line,** instructs the compiler to ignore anything on a line following the **dnl**. It is used to set off comments.

6. Describe the software and protocols used when Max sends an email to Sam on a remote Linux system.

   One possible answer of many:

   a. Max's MUA passes the email to **sendmail.**

   b. The **sendmail** daemon uses SMTP to deliver the email to the instance of **sendmail** on Sam's system.

   c. On Sam's system, **sendmail** passes the email to the local MDA (**procmail**).

   d. The MDA stores the email in Sam's file in the mail spool directory.

   e. Sam's MUA retrieves the email from the mail spool directory.

8. Assume a script stores certain information in a variable named **RESULT**. What line could you put in the script that would send the contents of **RESULT** to the email address specified by the first argument on the command line?

```
echo "$RESULT" | /usr/sbin/sendmail $1
```

10. If you accidentally delete the **/etc/aliases** file, how could you easily re-create it (assuming that you had not restarted **sendmail**)?

```
# praliases > /etc/aliases
```