

15

ANSWERS TO EVEN-NUMBERED EXERCISES

2. Write a `sed` command that copies only those lines of a file that begin with the word `Today` to standard output.

```
$ sed -n '/^Today/ p' filename
```

4. Write a `sed` program named `ins` that copies a file to standard output, changing all occurrences of `cat` to `dog` and preceding each modified line with a line that says **following line is modified**.

```
$ cat ins
/cat/ i\
following line is modified:
s/cat/dog/g
```

6. Write a `sed` command that copies a file to standard output, replacing a single `SPACE` as the first character on a line with a `0` (zero) only if the `SPACE` is immediately followed by a number (0–9). For example:

```
abc → abc
abc → abc
85c → 085c
55b → 55b
000 → 0000
```

```
$ sed '/^[ 0-9]/ s/ /0/' filename
```

