QUESTION 4 ANSWERS

```
coder@dce7ae72477b:~$ vi emails.txt
coder@dce7ae72477b:~$ vi emailcleaner.sh
coder@dce7ae72477b:~$ chmod +x email
emailcleaner.sh  emails.txt
coder@dce7ae72477b:~$ chmod +x emailcleaner.sh
coder@dce7ae72477b:~$ ./emailcleaner.sh
coder@dce7ae72477b:~$ cat valid.txt
abc123@gmail.com
hello123@world.com
john99@company.com
coder@dce7ae72477b:~$ cat in
install/     invalid.txt
coder@dce7ae72477b:~$ cat invalid.txt
test.user@yahoo.com
invalid@email
@abc.com
user@site.org
HELLO@TEST.COM

coder@dce7ae72477b:~$
```

```
abc123@gmail.com
test.user@yahoo.com
john99@company.com
abc123@gmail.com
invalid@email
@abc.com
user@site.org
hello123@world.com
HELLO@TEST.COM
```

```
#!/bin/bash
grep -E '^[A-Za-z0-9]+@[A-Za-z]+\.com$' emails.txt > valid.txt

grep -Ev '^[A-Za-z0-9]+@[A-Za-z]+\.com$' emails.txt > invalid.txt

sort valid.txt | uniq > temp.txt
mv temp.txt valid.txt
```

"emailcleaner.sh" 7L, 198C   7,21   All

I wrote a script to process email addresses from `emails.txt` and classify them as valid or invalid using regular expressions with `grep`. Valid email addresses are stored in `valid.txt` and invalid ones in `invalid.txt`. Duplicate entries in `valid.txt` are removed using `sort` and `uniq`.