ECE-357 Assignment #4 Program Running Samples
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Program Compiling:

```
gcc catgrepmore.c –o catgrepmore
```

Some Running Samples:

I have a test3.txt (size: 159K) an test4.txt (size: 104K). These two tests come from the novel *The Lord of Ring*. They are used as samples. After the program displays the first page of lines matching the input pattern for each infile, I type ctrl+C to interrupt the program. Then, number of files processed and number of bytes processed are shown. Program continues to the next infile. The running sample is shown in the next page.

```
Davids-MacBook-Pro:catgrepmore davidmei$ gcc catgrepmore.c -o catgrepmore
Davids-MacBook-Pro:catgrepmore davidmei$ ./catgrepmore Hobbit test3.txt test4.txt
that preceded it. It was begun soon after The Hobbit was written and before
told. The process had begun in the writing of The Hobbit, in which there
the link between it and The Hobbit. The crucial chapter, "The Shadow of the
1. Concerning Hobbits
This book is largely concerned with Hobbits, and from its pages a
Westmarch that has already been published, under the title of The Hobbit.
by Bilbo himself, the first Hobbit to become famous in the world at large,
the East and his return: an adventure which later involved all the Hobbits
few notes on the more important points are here collected from Hobbit-lore,
Hobbits are an unobtrusive but very ancient people, more numerous
seem magical. But Hobbits have never, in fact, studied magic of any kind,
was surpassed in all Hobbit records only by two famous characters of old;
As for the Hobbits of the Shire, with whom these tales are concerned,
It is plain indeed that in spite of later estrangement Hobbits are
is can no longer be discovered. The beginning of Hobbits lies far back in
and Hobbits are not mentioned at all. Yet it is clear that Hobbits had, in
shape of all lands has been changed; but the regions in which Hobbits then
Hobbits in Bilbo's time preserved no knowledge. A love of learning (other
their peculiar words and customs, that like many other folk Hobbits had in
Before the crossing of the mountains the Hobbits had already become
Wilderland. They were the most normal and representative variety of Hobbit,
more friendly with Elves than the other Hobbits were, and had more skill in
Mountains of Lune, the Hobbits found both Men and Elves. Indeed, a remnant
spare for incomers, and ere long the Hobbits began to settle in ordered
It was in these early days, doubtless, that the Hobbits learned their
About this time legend among the Hobbits first becomes history with a
Hobbits. They passed over the Bridge of Stonebows, that had been built in
Brandywine (as the Hobbits turned the name) became Year One of the Shire,
Number of Files Processed: 1
Number of Bytes Processed: 3403
'My dear Frodo!' exclaimed Gandalf. 'Hobbits really are amazing
going to leave Hobbiton and live in a quiet way on the proceeds of the sale
other reason - was to walk from Hobbiton to Bucklebury Ferry, taking it
After some time they crossed the Water, west of Hobbiton, by a narrow
in Hobbiton far off twinkling in the gentle valley of the Water. Soon it
land well within twenty miles of Hobbiton, but that was the limit of his
'Hobbits!' he thought. 'Well, what next? I have heard of strange doings
from. It's from Hobbiton that this here black rider comes, unless there's
stranger,' said Pippin. 'We left Hobbiton secretly enough, and I don't see
been expecting Gandalf for many days. He was to have come to Hobbiton at
part of the Shire. You had better go back west to Hobbiton - but you can go
gone mixing yourself up with Hobbiton folk, Mr. Frodo. Folk are queer up
the gold and jewels that he buried in the hill of Hobbiton, as I hear?'
Hobbits have a passion for mushrooms, surpassing even the greediest
a full account of their journey from the time when they left Hobbiton. Sam
Number of Files Processed: 2
Number of Bytes Processed: 4982
Davids-MacBook-Pro:catgrepmore davidmei$
```

1st infile

ctrl+C
typed here

2nd infile

ctrl+C
typed here