

1 Example Usage

```
1 nikopj@s15:~/Documents/OS/hw4$ ./cgm.out Frodo lotr1.txt lotr2.txt lotr3.txt
2 to tackle the journey of Frodo to Mordor. These chapters, eventually to
3 importance. But in the days of Bilbo, and of Frodo his heir, they suddenly
4 inhabited by large families. (Bilbo and Frodo Baggins were as bachelors very
5 revealed to no one, not even to Frodo his favourite 'nephew'. And he still
6 from notes by Frodo or Samwise, both of whom learned the truth, though they
7 and Frodo; and no one else in the Shire knew of its existence, or so he
8 believed. Only to Frodo did he show the account of his Journey that he was
9 to Rivendell. Frodo brought it back to the Shire, together with many loose
10 living and written. But since they were little used by Frodo, being almost
11 The eldest of these, and Bilbo's favourite, was young Frodo Baggins.
12 When Bilbo was ninety-nine, he adopted Frodo as his heir, and brought him to
13 dashed. Bilbo and Frodo happened to have the same birthday, September
14 'You had better come and live here, Frodo my lad,' said Bilbo one day; 'and
15 time Frodo was still in his tweens, as the hobbits called the irresponsible
16 and Frodo was going to be thirty-three, 33) an important number: the date of
17 were on very friendly terms with Bilbo and Frodo. They lived on the Hill
18 'But what about this Frodo that lives with him?' asked Old Noakes of
19 wonder that trouble came of it, I say. But be that as it may, Mr. Frodo is
20 Frodo is his first and second cousin, once removed either way, as the saying
21 were drowned, and poor Mr. Frodo only a child and all. '
22 looking further for the cause of trouble. Anyway: there was this Mr. Frodo
23 Bilbo and Frodo were related, with the addition of a few special unrelated
24 detested Frodo, but so magnificent was the invitation card, written in
25 Frodo. He comes of age and into his inheritance today. Some perfunctory
26 clapping by the elders; and some loud shouts of 'Frodo! Frodo! Jolly old
27 Frodo,' from the juniors. The Sackville-Bagginses scowled, and wondered what
28 He called loudly to Frodo to send the wine round again.
29 Frodo was the only one present who had said nothing. For some time he
30 present; but the Sackville-Bagginses had already departed in wrath. Frodo
31 fine chain, and then sealed it, and addressed it to Frodo. At first he put
32 'Oh, they may, in years to come. Frodo has read some already, as far as
33 it has gone. You'll keep an eye on Frodo, won't you?'
34 leave it behind. Stop possessing it. Give it to Frodo, and I will look after
35 'Very well,' said Bilbo, 'it goes to Frodo with all the rest.' He drew
36 mantelpiece. It will be safe enough there, till Frodo comes. I shall wait
37 Frodo came in soon afterwards, and found him sitting in the dark, deep
38 said Frodo. 'But I knew in my heart that he really meant to go. He always
39 Frodo took the envelope from the mantelpiece, and glanced at it, but
40 'The ring!' exclaimed Frodo. 'Has he left me that? I wonder why. Still,
41 As master of Bag End Frodo felt it his painful duty to say good-bye to
42 but Frodo would only say no doubt everything will be cleared up in the
43 Frodo was waiting on the step, smiling, but looking rather tired and
44 surviving female relative of Bilbo and Frodo; she was ninety-nine, and had
45 There was plenty of everything left for Frodo. And, of course, all the
46 Frodo had a very trying time that afternoon. A false rumour that the
47 In the middle of the commotion the Sackville-Bagginses arrived. Frodo
48 on things. When Otho loudly demanded to see Frodo, Merry bowed politely.
49 they were shown into the study. Frodo was sitting at a table with a lot of
50 unlabelled things. When Frodo replied that only the things specially
51 Otho would have been Bilbo's heir, but for the adoption of Frodo. He
52 Spoons? Fiddlesticks!' He snapped his fingers under Frodo's nose and slumped
53 off. But Lobelia was not so easily got rid of. A little later Frodo came out
54 'Did you hear that, Merry? That was an insult, if you like,' said Frodo
55 cellars. Frodo also had a tussle with young Sancho Proudfoot (old Odo
56 When he had overcome Sancho and pushed him out, Frodo collapsed on
57 'If you don't let me in, Frodo, I shall blow your door right down your
58 'My dear Gandalf! Half a minute!' cried Frodo, running out of the room
```

59 ring, Frodo ! In fact, it is partly about that that I have come to say a last
 60 'Oh, not what he told the dwarves and put in his book,' said Frodo. 'He
 61 us, Frodo," he said; "but they are not to go any further. It's mine
 62 'I don't understand,' said Frodo.
 63 'At once!' cried Frodo. 'Why, I thought you were staying on for at
 64 'Some people!' exclaimed Frodo. 'You mean Otho and Lobelia. How
 65 Frodo saw him to the door. He gave a final wave of his hand, and walked
 66 off at a surprising pace; but Frodo thought the old wizard looked unusually
 67 in, and his cloaked figure quickly vanished into the twilight. Frodo did not
 68 'If only that dratted wizard will leave young Frodo alone, perhaps
 69 appearance the wizard did leave Frodo alone, and he did settle down, but the
 70 Some people were rather shocked; but Frodo kept up the custom of giving
 71 name was Meriadoc, but that was seldom remembered). Frodo went tramping
 72 As time went on, people began to notice that Frodo also showed signs of
 73 said; but it was not until Frodo approached the usually more sober age of
 74 Frodo himself, after the first shock, found that being his own master
 75 suddenly befallen Bilbo. Frodo began to feel restless, and the old paths
 76 years, Frodo gathered all the news he could. Elves, who seldom walked in the
 77 hobbits asked no more. But now Frodo often met strange dwarves of far
 78 Frodo's fiftieth year, showed that even in the comfortable heart of the
 79 and Frodo's cracking. If that's where you get your news from, you'll never
 80 Frodo a brief visit, and after taking a good look at him he went off again.
 81 interested in small news about Frodo's health and doings.
 82 Then suddenly his visits had ceased. It was over nine years since Frodo
 83 Frodo welcomed his old friend with surprise and great delight. They
 84 'Ah well eh?' said Gandalf. 'You look the same as ever, Frodo!'
 85 'So do you,' Frodo replied; but secretly he thought that Gandalf looked
 86 Next morning after a late breakfast, the wizard was sitting with Frodo
 87 He was smoking now in silence, for Frodo was sitting still, deep in
 88 'A mortal, Frodo, who keeps one of the Great Rings, does not die, but
 89 'How terrifying!' said Frodo. There was another long silence. The sound
 90 'How long have you known this?' asked Frodo at length. 'And how much
 91 'Yes, he warned me of that in his last letter,' said Frodo, 'so I have
 92 'How long have you known all this?' asked Frodo again.
 93 Frodo. But if you mean "known about this ring", well, I still do not know,
 94 'Who is he?' asked Frodo. I have never heard of him before.'
 95 'There wasn't any permanent harm done, was there?' asked Frodo
 96 Frodo shuddered. 'But why should we be?' he asked. 'And why should he
 97 'Revenge?' said Frodo. 'Revenge for what? I still don't understand what
 98 Frodo took it from his breeches-pocket, where it was clasped to a chain
 99 wizard. It felt suddenly very heavy, as if either it or Frodo himself was in
 100 'No,' said Frodo. 'There are none. It is quite plain, and it never
 101 'Well then, look!' To Frodo's astonishment and distress the wizard
 102 threw it suddenly into the middle of a glowing corner of the fire. Frodo
 103 'Wait!' he said in a commanding voice, giving Frodo a quick look from
 104 the hearth with the tongs, and at once picked it up. Frodo gasped.
 105 It is quite cool,' said Gandalf. 'Take it!' Frodo received it on his
 106 As Frodo did so, he now saw fine lines, finer than the finest
 107 I cannot read the fiery letters,' said Frodo in a quavering voice.
 108 Frodo sat silent and motionless. Fear seemed to stretch out a vast
 109 'I wish it need not have happened in my time,' said Frodo.
 110 time that is given, us. And already, Frodo, our time is beginning to look
 111 'And this is the dreadful chance, Frodo. He believed that the One had
 112 'Why, why wasn't it destroyed?' cried Frodo. 'And how did the Enemy
 113 'Gollum!' cried Frodo. 'Gollum? Do you mean that this is the very
 114 distantly,' said Frodo with some heat. 'What an abominable notion!'
 115 'Yes,' said Frodo. 'Though other folks besides hobbits ask riddles, and
 116 'What do you mean?' said Frodo. 'Surely the Ring was his precious and
 117 'You ought to begin to understand, Frodo, after all you have heard,'
 118 'A Ring of Power looks after itself, Frodo. It may slip off
 119 aside. It was not Gollum, Frodo, but the Ring itself that decided things.
 120 'What, just in time to meet Bilbo?' said Frodo. 'Wouldn't an Ore have
 121 'There was more than one power at work, Frodo. The Ring was trying to
 122 It is not,' said Frodo. "Though I am not sure that I understand you.
 123 Gandalf looked at Frodo, and his eyes glinted. I knew much and I have
 124 asked Frodo, interrupting. 'Just now in this room, of course,' answered the

125 'You have seen Gollum?' exclaimed Frodo in amazement.
 126 'But how did he find that out?' asked Frodo.
 127 'Is that where you found him?' asked Frodo.
 128 'Then why didn't he track Bilbo further?' asked Frodo. 'Why didn't he
 129 I made a great mistake. Yes, Frodo, and not the first; though I fear it may
 130 A heavy silence fell in the room. Frodo could hear his heart beating.
 131 out where it lies. Indeed, Frodo, I fear that he may even think that the
 132 'But this is terrible!' cried Frodo. 'Far worse than the worst that I
 133 without need. And he has been well rewarded, Frodo. Be sure that he took so
 134 'I am sorry,' said Frodo. 'But I am frightened; and I do not feel any
 135 'No, and I don't want to,' said Frodo. I can't understand you. Do you
 136 'All the same,' said Frodo, 'even if Bilbo could not kill Gollum, I
 137 'Of course, my dear Frodo, it was dangerous for you; and that has
 138 cried Frodo again. If you had warned me, or even sent me a message, I would
 139 Frodo drew the Ring out of his pocket again and looked at it. It now
 140 gold looked very fair and pure, and Frodo thought how rich and beautiful was
 141 Gandalf laughed grimly. 'You see? Already you too, Frodo, cannot easily
 142 'I do really wish to destroy it!' cried Frodo. 'Or, well, to have it
 143 outside whistling. 'And now,' said the wizard, turning back to Frodo, 'the
 144 Frodo's shoulder. 'I will help you bear this burden, as long as It is yours
 145 was watching Frodo intently. Frodo gazed fixedly at the red embers on the
 146 'No!' answered Frodo, coming back to himself out of darkness, and
 147 'I hope so,' said Frodo. 'But I hope that you may find some other
 148 'My dear Frodo!' exclaimed Gandalf. 'Hobbits really are amazing
 149 Suddenly he stopped as if listening. Frodo became aware that all was
 150 'Mr. Frodo, sir!' cried Sam quaking. 'Don't let him hurt me, sir! Don't
 151 'He won't hurt you,' said Frodo, hardly able to keep from laughing,
 152 'So you heard that Mr. Frodo is going away?'
 153 'It can't be helped, Sam,' said Frodo sadly. He had suddenly realized
 154 punish you properly for listening. You shall go away with Mr. Frodo!'
 155 or three weeks had passed, and still Frodo made no sign of getting ready to
 156 'What about the autumn, on or after Our Birthday?' asked Frodo. 'I
 157 He looked at Frodo and smiled. 'Very well,' he said. 'I think that will
 158 'As for where I am going,' said Frodo, 'it would be difficult to give
 159 Frodo. 'For where am I to go? And by what shall I steer? What is to be my
 160 'No indeed!' said Frodo. 'But in the meantime what course am I to
 161 'Rivendell!' said Frodo. 'Very good: I will go east, and I will make
 162 forgotten for more important matters: Mr. Frodo was selling Bag End, indeed
 163 Just why Mr. Frodo was selling his beautiful hole was even more
 164 hints of Mr. Baggins himself - that Frodo's money was running out: he was
 165 no doubt about the fact: Frodo Baggins was going back to Buckland.
 166 the end of June, soon after Frodo's plan had been finally arranged, he
 167 He spoke lightly, but it seemed to Frodo that he looked rather worried.
 168 At first Frodo was a good deal disturbed, and wondered often what
 169 Autumn was well under way before Frodo began to worry about Gandalf
 170 word. Bag End began to be busy. Some of Frodo's friends came to stay and
 171 conveying the furniture and goods that Frodo had not sold to his new home,
 172 by way of the Brandywine Bridge. The next day Frodo became really anxious,
 173 Gandalf did not appear. In the evening Frodo gave his farewell feast: it was
 174 good wine: Frodo's wine had not been included in the sale to the
 175 claws on it, at any rate I have found a good home for this!' said Frodo, as
 176 Frodo's together according to Frodo's custom. Then they went out for a sniff
 177 of air, and glimpse of the stars, and then they went to bed. Frodo's party
 178 Folco went home after lunch, but Pippin remained behind. Frodo was
 179 would go to Crickhollow, and might even get there first. For Frodo was going
 180 Lotho, turned up, much to Frodo's annoyance. 'Ours at last!' said Lobelia,
 181 the night. Frodo did not offer her any tea.
 182 Frodo and look after his bit of garden'; an arrangement that was approved by
 183 'Our last meal at Bag End!' said Frodo, pushing back his chair. They
 184 Frodo
 185 Footsteps went away down the Hill. Frodo wondered vaguely why the fact
 186 Pippin was sitting on his pack in the porch. Sam was not there. Frodo
 187 'All aboard, Sam?' said Frodo.
 188 Frodo shut and locked the round door, and gave the key to Sam. 'Run
 189 'Well, now we're off at last!' said Frodo. They shouldered their packs
 190 Bag End. 'Good-bye!' said Frodo, looking at the dark blank windows. He

191 'I am sure you have given me all the heaviest stuff,' said Frodo. 'I
 192 'Be kind to a poor old hobbit!' laughed Frodo. 'I shall be as thin as a
 193 peeping among the trees, Frodo turned and waved a hand in farewell.
 194 'I thought you liked walking in the dark,' said Frodo. 'But there is no
 195 fast asleep. They set no watch; even Frodo feared no danger yet, for they
 196 The morning came, pale and clammy. Frodo woke up first, and found that
 197 Frodo stripped the blankets from Pippin and rolled him over, and then
 198 'I don't keep water in my pockets,' said Frodo. 'We thought you had
 199 'You can come too,' said Frodo, 'and bring all the water-bottles.'
 200 'Not that I ever heard,' said Pippin. Frodo was silent. He too was
 201 'I don't know,' said Frodo. It came to me then, as if I was making it
 202 Frodo, going out of your door," he used to say. "You step into the Road, and
 203 far. 'I wonder if that is Gandalf coming after us,' said Frodo; but even as
 204 far from the road. There they lay flat. Frodo hesitated for a second:
 205 When it reached the tree and was level with Frodo the horse stopped.
 206 A sudden unreasoning fear of discovery laid hold of Frodo, and he
 207 Frodo crawled to the edge of the road and watched the rider, until he
 208 'Well, I call that very queer, and indeed disturbing,' said Frodo to
 209 flat in the grass, and had seen nothing; so Frodo described the rider and
 210 'There are some Men about,' said Frodo. 'Down in the Southfarthing they
 211 'What do you mean?' said Frodo sharply, looking at him in astonishment.
 212 he says. I thought you were away with Mr. Frodo this morning. There's been a
 213 'The Gaffer can't be blamed anyway,' said Frodo. 'As a matter of fact I
 214 'I wish I had waited for Gandalf,' Frodo muttered. 'But perhaps it
 215 'I don't know, and I would rather not guess,' said Frodo. 'All right,
 216 cousin Frodo! You can keep your secret for the present, if you want to be
 217 'Yes, I think we will move on now,' said Frodo; 'but not on the road
 218 Woodhall. 'That is the way for us,' said Frodo.
 219 and taught it to Frodo as they walked in the lanes of the Water -valley and
 220 'Hush!' said Frodo. 'I think I hear hoofs again.'
 221 'Don't let us go too far!' said Frodo. 'I don't want to be seen, but I
 222 large tree-bole, while Frodo crept back a few yards towards the lane. It
 223 The sound of hoofs stopped. As Frodo watched he saw something dark pass
 224 side to side. Frodo thought he heard the sound of snuffling. The shadow bent
 225 Once more the desire to slip on the Ring came over Frodo; but this time
 226 darkness on the other side. Frodo breathed again.
 227 'Yes, it is Elves,' said Frodo. 'One can meet them sometimes in the
 228 'Listen! They are coming this way,' said Frodo. 'We have only to wait.'
 229 singing in the fair elven-tongue, of which Frodo knew only a little, and the
 230 was the song as Frodo heard it:
 231 Elbereth!' said Frodo in amazement, 'Few of that fairest folk are ever seen
 232 'Hail, Frodo!' he cried. 'You are abroad late. Or are you perhaps
 233 'The meaning of it, fair people,' said Frodo, 'is simply that we seem
 234 'And how do you know my name?' asked Frodo in return.
 235 'Who are you, and who is your lord?' asked Frodo.
 236 still in peace in Rivendell. Come now, Frodo, tell us what you are doing?
 237 was speechless. 'I thank you indeed, Gildor Inglorion,' said Frodo bowing.
 238 Elf-friend!' he said, bowing to Frodo. 'Come now with your friends and join
 239 'Why? Where are you going?' asked Frodo.
 240 saved him from a fall. Sam walked along at Frodo's side, as if in a dream,
 241 seemed to take no further notice of the hobbits. Frodo and his companions
 242 'It seems to me good enough for a birthday-party,' said Frodo.
 243 Frodo sat, eating, drinking, and talking with delight; but his mind was
 244 gone, he came and sat curled up at Frodo's feet, where at last he nodded and
 245 closed his eyes. Frodo remained long awake, talking with Gildor.
 246 They spoke of many things, old and new, and Frodo questioned Gildor
 247 flight of the Elves. At last Frodo asked the question that was nearest to
 248 more about Bilbo, and Frodo fell silent.
 249 'You do not ask me or tell me much that concerns yourself, Frodo,' said
 250 'It is,' said Frodo; 'but I thought my going was a secret known only to
 251 'The Enemy?' said Frodo. 'Then you know why I am leaving the Shire?'
 252 hints and warnings,' exclaimed Frodo. 'I knew that danger lay ahead, of
 253 'And it is also said,' answered Frodo: 'Go not to the Elves for
 254 'I am deeply grateful,' said Frodo; 'but I wish you would tell me
 255 more of me! But my heart forbodes that, ere all is ended, you, Frodo son of
 256 'But where shall I find courage?' asked Frodo. 'That is what I chiefly

257 Frodo felt sleep coming upon him, even as Gildor finished speaking. 'I
 258 In the morning Frodo woke refreshed. He was lying in a bower made by a
 259 Frodo sat down beside Sam and began to eat. 'What is the plan for
 260 'To walk to Bucklebury as quickly as possible,' answered Frodo, and
 261 'Yes, probably,' said Frodo, not liking the reminder. 'But I hope to
 262 'Not much - only hints and riddles,' said Frodo evasively. 'Did you ask
 263 'We didn't discuss it,' said Frodo with his mouth full.
 264 Frodo sharply. 'And now leave me in peace for a bit! I don't want to answer
 265 From Frodo's mind the bright morning - treacherously bright, he thought
 266 'They are,' said Frodo. 'Do you like them still, now you have had a
 267 Frodo looked at Sam rather startled, half expecting to see some outward
 268 Frodo finished his breakfast in silence. Then standing up he looked
 269 'We can cut straighter than the road anyway,' answered Frodo. 'The
 270 Frodo. 'And if you are supposed to be on the road, there is some chance that
 271 'That settles it!' said Frodo. 'Short cuts make delays, but inns make
 272 'I will go along with you, Mr. Frodo,' said Sam (in spite of private
 273 and fences. Frodo reckoned they had eighteen miles to go in a straight line.
 274 'Look!' he said, clutching Frodo by the arm. They all looked, and on
 275 They at once gave up any idea of going back. Frodo led the way, and
 276 'It is no good our starting to go in zig-zags,' said Frodo. 'That won't
 277 Frodo propped his back against the tree-trunk, and closed his eyes. Sam
 278 Ho! Ho! Ho! they began again louder. They stopped short suddenly. Frodo
 279 'It was not bird or beast,' said Frodo. 'It was a call, or a signal --
 280 behind them stood the high place where they had breakfasted. Frodo half
 281 'One trouble after another!' said Frodo, looking nearly as much alarmed
 282 'I know,' said Frodo. 'But all the same,' he added with a shamefaced
 283 Frodo and Sam stopped dead, but Pippin walked on a few paces. The gate
 284 three halted in front of Frodo, bristling and growling.
 285 about the dogs?' asked Frodo anxiously.
 286 Here, Grip! Fang! Heel!' he cried. 'Heel, Wolf!' To the relief of Frodo and
 287 Pippin introduced the other two to the farmer. 'Mr. Frodo Baggins,' he
 288 name Baggins the farmer started, and gave Frodo a sharp glance. For a moment
 289 Frodo thought that the memory of stolen mushrooms had been aroused, and
 290 name. I recollect the time when young Frodo Baggins was one of the worst
 291 Frodo sat for a moment looking at the fire, but his only thought was
 292 gone mixing yourself up with Hobbiton folk, Mr. Frodo. Folk are queer up
 293 Frodo said nothing: the shrewd guesses of the farmer were rather
 294 'Well, Mr. Frodo,' Maggot went on, 'I'm glad that you've had the sense
 295 'Maybe you're right,' said Frodo, avoiding the farmer's eye and staring
 296 'I was thinking so,' said Frodo. But we have got to try and get there;
 297 'And so should we!' said Frodo. 'But we must be going at once, I'm
 298 Frodo now accepted the invitation gratefully, to the relief of Pippin
 299 seemed slower than a snail to Frodo. Beside him Pippin was nodding towards
 300 'You'd better be hidden, Mr. Frodo,' said Sam anxiously. 'You get down
 301 Frodo sprang out of the waggon to greet him. 'So there you are at
 302 you'll excuse me, Mr. Merry and Mr. Frodo and all, I'd best be turning for
 303 dwindled into the foggy night. Suddenly Frodo laughed: from the covered
 304 his head, and for a moment had a passing wish that Mr. Frodo could have gone
 305 'Look back, Mr. Frodo! Do you see anything?'
 306 'Something that is following us,' said Frodo. 'But don't ask any more
 307 'Thank goodness you don't keep any boats on the west -bank!' said Frodo.
 308 'We had our supper early with Farmer Maggot,' said Frodo; 'but we could
 309 It was some distance from the Brandywine to Frodo's new house at
 310 hedge. Frodo had chosen it, because it stood in an out-of-the-way corner of
 311 the windows were dark and shuttered. Frodo knocked on the door, and Fatty
 312 Frodo looked round. It did look like home. Many of his own favourite
 313 'Which order shall we go in?' said Frodo. 'Eldest first, or quickest
 314 There was a terrific splash, and a shout of Whoa! from Frodo. It
 315 called. Frodo came out drying his hair.
 316 'They're mine!' said Frodo. 'Given to me by Mrs. Maggot, a queen among
 317 likings of Big People. A fact which partly explains young Frodo's long
 318 'We have all been scared,' said Pippin after a pause, in which Frodo
 319 'Black figures riding on black horses,' answered Pippin. 'If Frodo
 320 gave various supporting nods and exclamations. Frodo remained silent.
 321 Maggot's voice. What do you make of it all, Frodo?'
 322 'Cousin Frodo has been very close,' said Pippin. 'But the time has come

323 'That was only a guess,' said Frodo hastily. 'Maggot does not know
 324 many strange things. But you can at least tell us, Frodo, whether you think
 325 'I think,' answered Frodo slowly, 'that it was a good guess, as far as
 326 'Well!' said Frodo at last, sitting up and straightening his back, as
 327 'What do you mean?' said Frodo, looking at him anxiously. 'Just this,
 328 my dear old Frodo: you are miserable, because you don't know how to say
 329 Frodo opened his mouth and shut it again. His look of surprise was so
 330 comical that they laughed. 'Dear old Frodo!' said Pippin. 'Did you really
 331 'Good heavens!' said Frodo. 'I thought I had been both careful and
 332 'But I must go,' said Frodo. 'It cannot be helped, dear friends. It is
 333 'My dear and most beloved hobbits!' said Frodo deeply moved. 'But I
 334 The Ring!' said Frodo, now completely amazed.
 335 'Go on!' said Frodo faintly.
 336 must be the only one in the Shire, besides you Frodo, that has ever seen the
 337 'You have read his book!' cried Frodo. 'Good heavens above! Is nothing
 338 Frodo?'
 339 'Where is he?' said Frodo, looking round, as if he expected a masked
 340 'Sam!' cried Frodo, feeling that amazement could go no further, and
 341 to you, Mr. Frodo, nor to Mr. Gandalf for that matter. He has some sense,
 342 'But it does not seem that I can trust anyone,' said Frodo. Sam looked
 343 word. We are your friends, Frodo. Anyway: there it is. We know most of what
 344 'I don't deny it,' said Frodo, looking at Sam, who was now grinning. 'I
 345 'Good! That's settled. Three cheers for Captain Frodo and company!'
 346 'Very good!' said Frodo. 'But in that case there are a lot of things to
 347 'I don't know,' answered Frodo. 'I fear those Black Riders, and I am
 348 'It seems to have been a very efficient conspiracy,' said Frodo. 'But
 349 Frodo sat for a while in thought. 'I have made up my mind,' he said
 350 'Not quite,' said Merry. It sounds very desperate, but I believe Frodo
 351 when the fit takes them. We have a private entrance. Frodo went in once,
 352 Fond as he was of Frodo, Fatty Bolger had no desire to leave the Shire,
 353 had even brought along some old clothes of Frodo's to help him in playing
 354 'Excellent!' said Frodo, when he understood the plan. 'We could not
 355 When at last he had got to bed, Frodo could not sleep for some time.
 356 Frodo woke suddenly. It was still dark in the room. Merry was standing
 357 'All right! What is it?' said Frodo, still shaken and bewildered.
 358 Here Fatty Bolger halted. 'Good-bye, Frodo!' he said. 'I wish you were
 359 lucky,' said Frodo. 'Tell Gandalf to hurry along the East Road: we shall
 360 that path,' Frodo said to him. 'Don't let us lose one another, or forget
 361 Frodo began to wonder if it were possible to find a way through, and if
 362 their ears. Frodo tried to sing a song to encourage them, but his voice sank
 363 settling steadily on Frodo's heart, and he regretted now with every step
 364 Frodo felt his chin go down and his head nod. Just in front of him
 365 Pippin fell forward on to his knees. Frodo halted. 'It's no good,' he heard
 366 Frodo did not like the sound of this. 'Come on!' he cried. 'We can't
 367 Suddenly Frodo himself felt sleep overwhelming him. His head swam.
 368 Frodo lay for a while fighting with the sleep that was overpowering
 369 He rushed back to the bank. Frodo was in the water close to the edge,
 370 'You were dreaming I expect, Mr. Frodo,' said Sam. 'You shouldn't sit
 371 'What about the others?' Frodo asked. 'I wonder what sort of dreams
 372 Frodo and Sam beat first upon the tree-trunk where Pippin had lain.
 373 'What a foul thing to happen!' cried Frodo wildly. 'Why did we ever
 374 'I suppose we haven't got an axe among our luggage, Mr. Frodo?' asked
 375 'I brought a little hatchet for chopping firewood,' said Frodo. 'That
 376 'We might,' said Frodo doubtfully. 'We might succeed in roasting Pippin
 377 'Who? What?' shouted Frodo, rushing round to the other side of the
 378 little fire and stamped out the sparks. But Frodo, without any clear idea of
 379 Half hopeful and half afraid of some new danger, Frodo and Sam now both
 380 Frodo and Sam stood as if enchanted. The wind puffed out. The leaves
 381 'Help!' cried Frodo and Sam running towards him with their hands
 382 'My friends are caught in the willow-tree,' cried Frodo breathlessly.
 383 'Come dear folk!' she said, taking Frodo by the hand. Faugh and be
 384 smiled. 'Fair lady Goldberry!' said Frodo at last, feeling his heart moved
 385 'Fair lady!' said Frodo again after a while. 'Tell me, if my asking
 386 Frodo looked at her questioningly. 'He is, as you have seen him,' she
 387 supper. Sleep gathered on their eyelids. At last Frodo spoke:
 388 He fell silent again; but Frodo could not help asking one more

389 In the dead night, Frodo lay in a dream without light. Then he saw the
 390 of rock, pierced by a dark arch like a great gate. It seemed to Frodo that
 391 'Black Riders!' thought Frodo as he wakened, with the sound of the hoofs
 392 They leapt up refreshed. Frodo ran to the eastern window, and found
 393 hobbits listened with delight; and Frodo was glad in his heart, and blessed
 394 be seen all round the house but falling water. Frodo stood near the open
 395 Man Willow, and Frodo learned now enough to content him, indeed more
 396 Frodo could not tell. He did not feel either hungry or tired, only filled
 397 fashion, news had reached him from Gildor concerning the flight of Frodo.
 398 Frodo found himself telling him more about Bilbo and his own hopes and fears
 399 story: and Frodo, to his own astonishment, drew out the chain from his
 400 vanished with a flash. Frodo gave a cry - and Tom leaned forward and handed
 401 Frodo looked at it closely, and rather suspiciously (like one who has
 402 weighed the same: for that Ring had always seemed to Frodo to weigh
 403 an exclamation. Frodo was delighted (in a way): it was his own ring all
 404 his shining eyes. 'Hey! Come Frodo, there! Where be you a-going? Old Tom
 405 Frodo laughed (trying to feel pleased), and taking off the Ring he came
 406 them, he could not tell which, Frodo heard a sweet singing running in his
 407 slope, when suddenly Frodo stopped.
 408 shines!' And to Frodo she said: 'Farewell, Elf-friend, it was a merry
 409 But Frodo found no words to answer. He bowed low, and mounted his pony,
 410 'Splendid!' said Frodo. 'If we make as good going this afternoon as we
 411 wandering in different directions they went in file, with Frodo leading. Sam
 412 to stretch on endlessly. Suddenly Frodo saw a hopeful sign. On either side
 413 'Hoy! Frodo! Hoy!' It was away eastward, on his left as he stood under the
 414 and far ahead and high above him. 'Frodo! Hoy!' came the thin voices out of
 415 'No!' said Frodo; but he did not run away. His knees gave, and he fell
 416 hobbit, wailing for some final and desperate danger to make it grow. Frodo
 417 warmth for which it hungered. Frodo was chilled to the marrow. After a while
 418 At first Frodo felt as if he had indeed been turned into stone by the
 419 Frodo fell forward over Merry, and Merry's face felt cold. All at once
 420 There was a sudden deep silence, in which Frodo could hear his heart
 421 door-like opening appeared at the end of the chamber beyond Frodo's feet;
 422 faces of the three hobbits lying beside Frodo. They did not stir, but the
 423 'Come, friend Frodo!' said Tom. 'Let us get out on to clean grass! You
 424 Together they carried out Merry, Pippin, and Sam. As Frodo left the
 425 To Frodo's great joy the hobbits stirred, stretched their arms, rubbed
 426 first at Frodo, and then at Tom standing large as life on the barrow-top
 427 'What am I saying? I have been dreaming. Where did you get to, Frodo?'
 428 'I thought that I was lost,' said Frodo; 'but I don't want to speak of
 429 Frodo saw him running away southwards along the green hollow between
 430 asked Frodo.
 431 Though Frodo looked about him on every side he saw no sign of the great
 432 be seen. 'Well, here we are again at last!' said Frodo. 'I suppose we
 433 'It may be all we could wish,' said Frodo; 'but it is outside the Shire
 434 It was dark, and white stars were shining, when Frodo and his
 435 'We are making for the inn here,' answered Frodo. 'We are journeying
 436 place to discuss them,' said Frodo, not liking the look of the man or the
 437 He wished them good night, and they said no more; but Frodo could see
 438 'What's wrong with the inn?' said Frodo. 'Tom Bombadil recommended it.
 439 yard they climbed up the steps. Frodo went forward and nearly bumped into a
 440 'Can we--' began Frodo.
 441 'Mr. Took and Mr. Brandybuck,' said Frodo; 'and this is Sam Gamgee. My
 442 talk) that Frodo, Pippin, and Sam decided to join the company. Merry said it
 443 large and mixed, as Frodo discovered, when his eyes got used to the light.
 444 could not imagine sharing a name without being related, they took Frodo to
 445 The Bree-hobbits were, in fact, friendly and inquisitive, and Frodo
 446 At this a chorus of voices broke out. If Frodo had really wanted to
 447 go for further information. But after a time, as Frodo did not show any sign
 448 doings in the Shire. Frodo did not prove very communicative, and he soon
 449 Frodo a little uneasy. One of the Bree-landers, who seemed to have been in
 450 Suddenly Frodo noticed that a strange-looking weather-beaten man,
 451 'Who is that?' Frodo asked, when he got a chance to whisper to Mr.
 452 Frodo found that Strider was now looking at him, as if he had heard or
 453 nod, he invited Frodo to come over and sit by him. As Frodo drew near be
 454 'He did,' said Frodo stiffly. He felt far from comfortable under the

455 smile, seeing Frodo's glance. 'And there have been even stranger travellers
 456 through Bree lately,' he went on, watching Frodo's face.
 457 Frodo returned his gaze but said nothing; and Strider made no further
 458 Frodo became aware that the ridiculous young Took, encouraged by his success
 459 Frodo was annoyed. It was a harmless enough tale for most of the local
 460 Frodo fidgeted, wondering what to do. Pippin was evidently much
 461 their danger. Frodo had a sudden fear that in his present mood he might even
 462 Frodo jumped up and stood on a table, and began to talk. The attention
 463 of Pippin's audience was disturbed. Some of the hobbits looked at Frodo and
 464 Frodo suddenly felt very foolish, and found himself (as was his habit
 465 For a moment Frodo stood gaping. Then in desperation he began a
 466 probably why it came into Frodo's mind just then. Here it is in full. Only a
 467 There was loud and long applause. Frodo had a good voice, and the song
 468 They made Frodo have another drink, and then begin his song again,
 469 quick at picking up words. It was now Frodo's turn to feel pleased with
 470 Frodo felt a fool. Not knowing what else to do, he crawled away under
 471 his thoughts. Frodo leaned back against the wall and took off the Ring. How
 472 'I don't know what you mean,' said Frodo, annoyed and alarmed.
 473 'What about?' asked Frodo, ignoring the sudden use of his proper name.
 474 Frodo in the eye. 'You may hear something to your advantage.'
 475 'Very well,' said Frodo, trying to appear unconcerned. 'I'll talk to
 476 'Of course there's a mistake!' said Frodo. 'I haven't vanished. Here I
 477 or two gave Frodo a black look and departed muttering among themselves.
 478 good night to the landlord, but not to Frodo and his friends. Before long no
 479 'I am very sorry to have caused any trouble,' said Frodo. 'It was quite
 480 'Certainly!' said Frodo; but his heart sank. He wondered how many
 481 Frodo, Pippin, and Sam made their way back to the parlour. There was no
 482 Frodo. 'What have you to say?'
 483 'What do you mean?' asked Frodo sharply.
 484 'And what will that be, pray?' said Frodo. He suspected now that he had
 485 if he guessed Frodo's thoughts. 'Just this: you must take me along with you,
 486 'Oh, indeed!' replied Frodo, surprised, but not much relieved. 'Even if
 487 'Go on then!' said Frodo. 'What do you know?'
 488 'I don't see what interest my name has for any one in Bree,' said Frodo
 489 I was looking for a Hobbit called Frodo Baggins. I wanted to find him
 490 'Now, don't mistake me!' he cried, as Frodo rose from his seat, and Sam
 491 There was a silence. At last Frodo spoke to Pippin and Sam: 'I ought to
 492 'Do you think he ' began Frodo.
 493 altogether like mysterious vagabonds of my sort.' Frodo gave him a puzzled
 494 'It was sheer accident!' interrupted Frodo.
 495 'Hardly more than it was already,' said Frodo. 'I knew these horsemen
 496 said Frodo, still determined not to understand Strider's hints.
 497 There was a heavy silence. Frodo made no answer, his mind was confused
 498 'With your leave, Mr. Frodo, I'd say no! This Strider here, he warns
 499 but turned his keen eyes on Frodo. Frodo caught his glance and looked away.
 500 'And what has that got to do with me?' asked Frodo.
 501 'Indeed! Let's have it then!' said Frodo, unwisely interrupting.
 502 'He said it? And who was he?' asked Frodo eagerly.
 503 'Well, what have you done?' said Frodo, getting impatient with the slow
 504 'A letter for me from Gandalf!' cried Frodo.
 505 'It is,' said Frodo, 'and you had better give me that letter at once,
 506 'What do you mean?' asked Frodo.
 507 'He's here with my leave,' said Frodo. 'He came to offer me his help.'
 508 'I'm sorry I can't explain it all,' answered Frodo. 'I am tired and
 509 is,' said Frodo. 'Are you still willing to help me?' 'I am,' said Mr.
 510 'Well, we can only hope the Riders won't come back yet,' said Frodo.
 511 'In any case we must be called at dawn,' said Frodo. 'We must get off
 512 'I don't know,' said Frodo with sudden anxiety. They had forgotten all
 513 'Well?' said Strider. 'When are you going to open that letter?' Frodo
 514 Dear Frodo,
 515 Frodo read the letter to himself, and then passed it to Pippin and Sam.
 516 Frodo turned and looked at him thoughtfully, wondering about Gandalf's
 517 There was a long silence. At last Frodo spoke with hesitation. 'I
 518 'Did the verses apply to you then?' asked Frodo. 'I could not make out
 519 'When did you last see Gandalf?' asked Frodo. 'Do you know where he is,
 520 Gandalf's absence, I mean?' asked Frodo.

521 alarm for a moment before he gasped: 'I have seen them, Frodo! I have seen
 522 'Black Riders!' cried Frodo. 'Where?'
 523 started, noticing the stranger for the first time. 'Go on!' said Frodo.
 524 'We seem to have enemies all round,' said Frodo. 'What are we to do?'
 525 While Strider was gone, Frodo gave Merry a rapid account of all that
 526 chair against the door and shut the window. Peering out, Frodo saw that the
 527 blanket. 'Very ridiculous of you, Frodo! But I wish I had been there to see.
 528 In the early night Frodo woke from deep sleep, suddenly, as if some
 529 Frodo soon went to sleep again; but his dreams were again troubled with
 530 Frodo was crushed by the news. How could they hope to reach Rivendell
 531 thoughtfully, as if he guessed what Frodo had in mind. 'We should not go
 532 'Can't anything be done, Mr. Butterbur?' asked Frodo. 'Can't we get a
 533 'Bill Ferny?' said Frodo. 'Isn't there some trick? Wouldn't the beast
 534 Bree was buzzing with excitement. Frodo's vanishing trick; the appearance of
 535 once more,' said Frodo. 'I should like nothing better than to stay in your
 536 he stared at shut their mouths and drew away. He walked in front with Frodo;
 537 near to the further gate, Frodo saw a dark ill-kept house behind a thick
 538 As Frodo lay, tired but unable to close his eyes, it seemed to him that
 539 Frodo lay down again, but for a long while he could still see the white
 540 'What do you mean?' asked Frodo.
 541 'What do you advise us to do?' asked Frodo.
 542 Pippin declared that Frodo was looking twice the hobbit that he had been.
 543 'Very odd,' said Frodo, tightening his belt, 'considering that there is
 544 crown of the hill; Frodo and Merry followed, tired and breathless. The last
 545 On the flat under-side Frodo saw some scratches: 'There seems to be a
 546 mean,' said Frodo 'It would be a great comfort to know that he was on the
 547 'A fortnight!' said Frodo. 'A lot may happen in that time.'
 548 In that lonely place Frodo for the first time fully realized his
 549 pulling Frodo down beside him. Merry threw himself alongside.
 550 specks, but neither Frodo nor Merry could make out their shapes for certain;
 551 --More--
 552 Files Proccessed: 1
 553 Bytes Processed: 1020227
 554 nikopj@s15:~/Documents/OS/hw4\$./cgm.out Frodo lotr1.txt lotr2.txt lotr3.txt
 555 to tackle the journey of Frodo to Mordor. These chapters, eventually to
 556 importance. But in the days of Bilbo, and of Frodo his heir, they suddenly
 557 inhabited by large families. (Bilbo and Frodo Baggins were as bachelors very
 558 revealed to no one, not even to Frodo his favourite 'nephew'. And he still
 559 from notes by Frodo or Samwise, both of whom learned the truth, though they
 560 and Frodo; and no one else in the Shire knew of its existence, or so he
 561 believed. Only to Frodo did he show the account of his Journey that he was
 562 to Rivendell. Frodo brought it back to the Shire, together with many loose
 563 living and written. But since they were little used by Frodo, being almost
 564 The eldest of these, and Bilbo's favourite, was young Frodo Baggins.
 565 When Bilbo was ninety-nine, he adopted Frodo as his heir, and brought him to
 566 dashed. Bilbo and Frodo happened to have the same birthday, September
 567 'You had better come and live here, Frodo my lad,' said Bilbo one day; 'and
 568 time Frodo was still in his tweens, as the hobbits called the irresponsible
 569 and Frodo was going to be thirty-three, 33) an important number: the date of
 570 were on very friendly terms with Bilbo and Frodo. They lived on the Hill
 571 'But what about this Frodo that lives with him?' asked Old Noakes of
 572 wonder that trouble came of it, I say. But be that as it may, Mr. Frodo is
 573 Frodo is his first and second cousin, once removed either way, as the saying
 574 were drowned, and poor Mr. Frodo only a child and all. '
 575 looking further for the cause of trouble. Anyway: there was this Mr. Frodo
 576 Bilbo and Frodo were related, with the addition of a few special unrelated
 577 detested Frodo, but so magnificent was the invitation card, written in
 578 Frodo. He comes of age and into his inheritance today. Some perfunctory
 579 clapping by the elders; and some loud shouts of 'Frodo! Frodo! Jolly old
 580 Frodo,' from the juniors. The Sackville-Bagginses scowled, and wondered what
 581 He called loudly to Frodo to send the wine round again.
 582 Frodo was the only one present who had said nothing. For some time he
 583 present; but the Sackville-Bagginses had already departed in wrath. Frodo
 584 fine chain, and then sealed it, and addressed it to Frodo. At first he put
 585 'Oh, they may, in years to come. Frodo has read some already, as far as
 586 it has gone. You'll keep an eye on Frodo, won't you?'

587 leave it behind. Stop possessing it. Give it to Frodo, and I will look after
 588 'Very well,' said Bilbo, 'it goes to Frodo with all the rest.' He drew
 589 mantelpiece. It will be safe enough there, till Frodo comes. I shall wait
 590 Frodo came in soon afterwards, and found him sitting in the dark, deep
 591 said Frodo. 'But I knew in my heart that he really meant to go. He always
 592 Frodo took the envelope from the mantelpiece, and glanced at it, but
 593 'The ring!' exclaimed Frodo. 'Has he left me that? I wonder why. Still,
 594 As master of Bag End Frodo felt it his painful duty to say good-bye to
 595 but Frodo would only say no doubt everything will be cleared up in the
 596 Frodo was waiting on the step, smiling, but looking rather tired and
 597 surviving female relative of Bilbo and Frodo; she was ninety-nine, and had
 598 There was plenty of everything left for Frodo. And, of course, all the
 599 Frodo had a very trying time that afternoon. A false rumour that the
 600 In the middle of the commotion the Sackville-Bagginses arrived. Frodo
 601 on things. When Otho loudly demanded to see Frodo, Merry bowed politely.
 602 they were shown into the study. Frodo was sitting at a table with a lot of
 603 unlabelled things. When Frodo replied that only the things specially
 604 Otho would have been Bilbo's heir, but for the adoption of Frodo. He
 605 Spoons? Fiddlesticks!' He snapped his fingers under Frodo's nose and slumped
 606 off. But Lobelia was not so easily got rid of. A little later Frodo came out
 607 'Did you hear that, Merry? That was an insult, if you like,' said Frodo
 608 cellars. Frodo also had a tussle with young Sancho Proudfoot (old Odo
 609 When he had overcome Sancho and pushed him out, Frodo collapsed on
 610 'If you don't let me in, Frodo, I shall blow your door right down your
 611 'My dear Gandalf! Half a minute!' cried Frodo, running out of the room
 612 ring, Frodo ! In fact, it is partly about that that I have come to say a last
 613 'Oh, not what he told the dwarves and put in his book,' said Frodo. 'He
 614 us, Frodo," he said; "but they are not to go any further. It's mine
 615 'I don't understand,' said Frodo.
 616 'At once!' cried Frodo. 'Why, I thought you were staying on for at
 617 'Some people!' exclaimed Frodo. 'You mean Otho and Lobelia. How
 618 Frodo saw him to the door. He gave a final wave of his hand, and walked
 619 off at a surprising pace; but Frodo thought the old wizard looked unusually
 620 in, and his cloaked figure quickly vanished into the twilight. Frodo did not
 621 'If only that dratted wizard will leave young Frodo alone, perhaps
 622 appearance the wizard did leave Frodo alone, and he did settle down, but the
 623 Some people were rather shocked; but Frodo kept up the custom of giving
 624 name was Meriadoc, but that was seldom remembered). Frodo went tramping
 625 As time went on, people began to notice that Frodo also showed signs of
 626 said; but it was not until Frodo approached the usually more sober age of
 627 Frodo himself, after the first shock, found that being his own master
 628 suddenly befallen Bilbo. Frodo began to feel restless, and the old paths
 629 years, Frodo gathered all the news he could. Elves, who seldom walked in the
 630 hobbits asked no more. But now Frodo often met strange dwarves of far
 631 Frodo's fiftieth year, showed that even in the comfortable heart of the
 632 and Frodo's cracking. If that's where you get your news from, you'll never
 633 Frodo a brief visit, and after taking a good look at him he went off again.
 634 interested in small news about Frodo's health and doings.
 635 Then suddenly his visits had ceased. It was over nine years since Frodo
 636 Frodo welcomed his old friend with surprise and great delight. They
 637 'Ah well eh?' said Gandalf. 'You look the same as ever, Frodo!'
 638 'So do you,' Frodo replied; but secretly he thought that Gandalf looked
 639 Next morning after a late breakfast, the wizard was sitting with Frodo
 640 He was smoking now in silence, for Frodo was sitting still, deep in
 641 'A mortal, Frodo, who keeps one of the Great Rings, does not die, but
 642 'How terrifying!' said Frodo. There was another long silence. The sound
 643 'How long have you known this?' asked Frodo at length. 'And how much
 644 'Yes, he warned me of that in his last letter,' said Frodo, 'so I have
 645 'How long have you known all this?' asked Frodo again.
 646 Frodo. But if you mean "known about this ring", well, I still do not know,
 647 'Who is he?' asked Frodo. I have never heard of him before.'
 648 'There wasn't any permanent harm done, was there?' asked Frodo
 649 Frodo shuddered. 'But why should we be?' he asked. 'And why should he
 650 'Revenge?' said Frodo. 'Revenge for what? I still don't understand what
 651 Frodo took it from his breeches-pocket, where it was clasped to a chain
 652 wizard. It felt suddenly very heavy, as if either it or Frodo himself was in

653 'No,' said Frodo. 'There are none. It is quite plain, and it never
 654 'Well then, look!' To Frodo's astonishment and distress the wizard
 655 threw it suddenly into the middle of a glowing corner of the fire. Frodo
 656 'Wait!' he said in a commanding voice, giving Frodo a quick look from
 657 the hearth with the tongs, and at once picked it up. Frodo gasped.
 658 It is quite cool,' said Gandalf. 'Take it!' Frodo received it on his
 659 As Frodo did so, he now saw fine lines, finer than the finest
 660 I cannot read the fiery letters,' said Frodo in a quavering voice.
 661 Frodo sat silent and motionless. Fear seemed to stretch out a vast
 662 'I wish it need not have happened in my time,' said Frodo.
 663 time that is given, us. And already, Frodo, our time is beginning to look
 664 'And this is the dreadful chance, Frodo. He believed that the One had
 665 'Why, why wasn't it destroyed?' cried Frodo. 'And how did the Enemy
 666 'Gollum!' cried Frodo. 'Gollum? Do you mean that this is the very
 667 distantly,' said Frodo with some heat. 'What an abominable notion!'
 668 'Yes,' said Frodo. 'Though other folks besides hobbits ask riddles, and
 669 'What do you mean?' said Frodo. 'Surely the Ring was his precious and
 670 'You ought to begin to understand, Frodo, after all you have heard,'
 671 'A Ring of Power looks after itself, Frodo. It may slip off
 672 aside. It was not Gollum, Frodo, but the Ring itself that decided things.
 673 'What, just in time to meet Bilbo?' said Frodo. 'Wouldn't an Ore have
 674 'There was more than one power at work, Frodo. The Ring was trying to
 675 It is not,' said Frodo. 'Though I am not sure that I understand you.
 676 Gandalf looked at Frodo, and his eyes glinted. I knew much and I have
 677 asked Frodo, interrupting. 'Just now in this room, of course,' answered the
 678 'You have seen Gollum?' exclaimed Frodo in amazement.
 679 'But how did he find that out?' asked Frodo.
 680 'Is that where you found him?' asked Frodo.
 681 'Then why didn't he track Bilbo further?' asked Frodo. 'Why didn't he
 682 I made a great mistake. Yes, Frodo, and not the first; though I fear it may
 683 A heavy silence fell in the room. Frodo could hear his heart beating.
 684 out where it lies. Indeed, Frodo, I fear that he may even think that the
 685 'But this is terrible!' cried Frodo. 'Far worse than the worst that I
 686 without need. And he has been well rewarded, Frodo. Be sure that he took so
 687 'I am sorry,' said Frodo. 'But I am frightened; and I do not feel any
 688 'No, and I don't want to,' said Frodo. I can't understand you. Do you
 689 'All the same,' said Frodo, 'even if Bilbo could not kill Gollum, I
 690 'Of course, my dear Frodo, it was dangerous for you; and that has
 691 cried Frodo again. If you had warned me, or even sent me a message, I would
 692 Frodo drew the Ring out of his pocket again and looked at it. It now
 693 gold looked very fair and pure, and Frodo thought how rich and beautiful was
 694 Gandalf laughed grimly. 'You see? Already you too, Frodo, cannot easily
 695 'I do really wish to destroy it!' cried Frodo. 'Or, well, to have it
 696 outside whistling. 'And now,' said the wizard, turning back to Frodo, 'the
 697 Frodo's shoulder. 'I will help you bear this burden, as long as It is yours
 698 was watching Frodo intently. Frodo gazed fixedly at the red embers on the
 699 'No!' answered Frodo, coming back to himself out of darkness, and
 700 'I hope so,' said Frodo. 'But I hope that you may find some other
 701 'My dear Frodo!' exclaimed Gandalf. 'Hobbits really are amazing
 702 Suddenly he stopped as if listening. Frodo became aware that all was
 703 'Mr. Frodo, sir!' cried Sam quaking. 'Don't let him hurt me, sir! Don't
 704 'He won't hurt you,' said Frodo, hardly able to keep from laughing,
 705 'So you heard that Mr. Frodo is going away?'
 706 'It can't be helped, Sam,' said Frodo sadly. He had suddenly realized
 707 punish you properly for listening. You shall go away with Mr. Frodo!'
 708 or three weeks had passed, and still Frodo made no sign of getting ready to
 709 'What about the autumn, on or after Our Birthday?' asked Frodo. 'I
 710 He looked at Frodo and smiled. 'Very well,' he said. 'I think that will
 711 'As for where I am going,' said Frodo, 'it would be difficult to give
 712 Frodo. 'For where am I to go? And by what shall I steer? What is to be my
 713 'No indeed!' said Frodo. 'But in the meantime what course am I to
 714 'Rivendell!' said Frodo. 'Very good: I will go east, and I will make
 715 forgotten for more important matters: Mr. Frodo was selling Bag End, indeed
 716 Just why Mr. Frodo was selling his beautiful hole was even more
 717 hints of Mr. Baggins himself - that Frodo's money was running out: he was
 718 no doubt about the fact: Frodo Baggins was going back to Buckland.

719 the end of June, soon after Frodo's plan had been finally arranged, he
 720 He spoke lightly, but it seemed to Frodo that he looked rather worried.
 721 At first Frodo was a good deal disturbed, and wondered often what
 722 Autumn was well under way before Frodo began to worry about Gandalf
 723 word. Bag End began to be busy. Some of Frodo's friends came to stay and
 724 conveying the furniture and goods that Frodo had not sold to his new home,
 725 by way of the Brandywine Bridge. The next day Frodo became really anxious,
 726 Gandalf did not appear. In the evening Frodo gave his farewell feast: it was
 727 good wine: Frodo's wine had not been included in the sale to the
 728 claws on it, at any rate I have found a good home for this!' said Frodo, as
 729 Frodo's together according to Frodo's custom. Then they went out for a sniff
 730 of air, and glimpse of the stars, and then they went to bed. Frodo's party
 731 Folco went home after lunch, but Pippin remained behind. Frodo was
 732 would go to Crickhollow, and might even get there first. For Frodo was going
 733 Lotho, turned up, much to Frodo's annoyance. 'Ours at last!' said Lobelia,
 734 the night. Frodo did not offer her any tea.
 735 Frodo and look after his bit of garden'; an arrangement that was approved by
 736 'Our last meal at Bag End!' said Frodo, pushing back his chair. They
 737 Frodo
 738 Footsteps went away down the Hill. Frodo wondered vaguely why the fact
 739 Pippin was sitting on his pack in the porch. Sam was not there. Frodo
 740 'All aboard, Sam?' said Frodo.
 741 Frodo shut and locked the round door, and gave the key to Sam. 'Run
 742 'Well, now we're off at last!' said Frodo. They shouldered their packs
 743 Bag End. 'Good-bye!' said Frodo, looking at the dark blank windows. He
 744 'I am sure you have given me all the heaviest stuff,' said Frodo. 'I
 745 'Be kind to a poor old hobbit!' laughed Frodo. 'I shall be as thin as a
 746 peeping among the trees, Frodo turned and waved a hand in farewell.
 747 'I thought you liked walking in the dark,' said Frodo. 'But there is no
 748 fast asleep. They set no watch; even Frodo feared no danger yet, for they
 749 The morning came, pale and clammy. Frodo woke up first, and found that
 750 Frodo stripped the blankets from Pippin and rolled him over, and then
 751 'I don't keep water in my pockets,' said Frodo. 'We thought you had
 752 'You can come too,' said Frodo, 'and bring all the water-bottles.'
 753 'Not that I ever heard,' said Pippin. Frodo was silent. He too was
 754 'I don't know,' said Frodo. It came to me then, as if I was making it
 755 Frodo, going out of your door," he used to say. "You step into the Road, and
 756 far. 'I wonder if that is Gandalf coming after us,' said Frodo; but even as
 757 far from the road. There they lay flat. Frodo hesitated for a second:
 758 When it reached the tree and was level with Frodo the horse stopped.
 759 A sudden unreasoning fear of discovery laid hold of Frodo, and he
 760 Frodo crawled to the edge of the road and watched the rider, until he
 761 'Well, I call that very queer, and indeed disturbing,' said Frodo to
 762 flat in the grass, and had seen nothing; so Frodo described the rider and
 763 'There are some Men about,' said Frodo. 'Down in the Southfarthing they
 764 'What do you mean?' said Frodo sharply, looking at him in astonishment.
 765 he says. I thought you were away with Mr. Frodo this morning. There's been a
 766 'The Gaffer can't be blamed anyway,' said Frodo. 'As a matter of fact I
 767 'I wish I had waited for Gandalf,' Frodo muttered. 'But perhaps it
 768 'I don't know, and I would rather not guess,' said Frodo. 'All right,
 769 cousin Frodo! You can keep your secret for the present, if you want to be
 770 'Yes, I think we will move on now,' said Frodo; 'but not on the road
 771 Woodhall. 'That is the way for us,' said Frodo.
 772 and taught it to Frodo as they walked in the lanes of the Water -valley and
 773 'Hush!' said Frodo. 'I think I hear hoofs again.'
 774 'Don't let us go too far!' said Frodo. 'I don't want to be seen, but I
 775 large tree-bole, while Frodo crept back a few yards towards the lane. It
 776 The sound of hoofs stopped. As Frodo watched he saw something dark pass
 777 side to side. Frodo thought he heard the sound of snuffling. The shadow bent
 778 Once more the desire to slip on the Ring came over Frodo; but this time
 779 darkness on the other side. Frodo breathed again.
 780 'Yes, it is Elves,' said Frodo. 'One can meet them sometimes in the
 781 'Listen! They are coming this way,' said Frodo. 'We have only to wait.'
 782 singing in the fair elven-tongue, of which Frodo knew only a little, and the
 783 was the song as Frodo heard it:
 784 Elbereth!' said Frodo in amazement, 'Few of that fairest folk are ever seen

785 'Hail, Frodo!' he cried. 'You are abroad late. Or are you perhaps
 786 'The meaning of it, fair people,' said Frodo, 'is simply that we seem
 787 'And how do you know my name?' asked Frodo in return.
 788 'Who are you, and who is your lord?' asked Frodo.
 789 still in peace in Rivendell. Come now, Frodo, tell us what you are doing?
 790 was speechless. 'I thank you indeed, Gildor Inglorion,' said Frodo bowing.
 791 Elf-friend!' he said, bowing to Frodo. 'Come now with your friends and join
 792 'Why? Where are you going?' asked Frodo.
 793 saved him from a fall. Sam walked along at Frodo's side, as if in a dream,
 794 seemed to take no further notice of the hobbits. Frodo and his companions
 795 'It seems to me good enough for a birthday-party,' said Frodo.
 796 Frodo sat, eating, drinking, and talking with delight; but his mind was
 797 gone, he came and sat curled up at Frodo's feet, where at last he nodded and
 798 closed his eyes. Frodo remained long awake, talking with Gildor.
 799 They spoke of many things, old and new, and Frodo questioned Gildor
 800 flight of the Elves. At last Frodo asked the question that was nearest to
 801 more about Bilbo, and Frodo fell silent.
 802 'You do not ask me or tell me much that concerns yourself, Frodo,' said
 803 'It is,' said Frodo; 'but I thought my going was a secret known only to
 804 'The Enemy?' said Frodo. 'Then you know why I am leaving the Shire?'
 805 hints and warnings,' exclaimed Frodo. 'I knew that danger lay ahead, of
 806 'And it is also said,' answered Frodo: 'Go not to the Elves for
 807 'I am deeply grateful,' said Frodo; 'but I wish you would tell me
 808 more of me! But my heart forbodes that, ere all is ended, you, Frodo son of
 809 'But where shall I find courage?' asked Frodo. 'That is what I chiefly
 810 Frodo felt sleep coming upon him, even as Gildor finished speaking. 'I
 811 In the morning Frodo woke refreshed. He was lying in a bower made by a
 812 Frodo sat down beside Sam and began to eat. 'What is the plan for
 813 'To walk to Bucklebury as quickly as possible,' answered Frodo, and
 814 'Yes, probably,' said Frodo, not liking the reminder. 'But I hope to
 815 'Not much - only hints and riddles,' said Frodo evasively. 'Did you ask
 816 'We didn't discuss it,' said Frodo with his mouth full.
 817 Frodo sharply. 'And now leave me in peace for a bit! I don't want to answer
 818 From Frodo's mind the bright morning - treacherously bright, he thought
 819 'They are,' said Frodo. 'Do you like them still, now you have had a
 820 Frodo looked at Sam rather startled, half expecting to see some outward
 821 Frodo finished his breakfast in silence. Then standing up he looked
 822 'We can cut straighter than the road anyway,' answered Frodo. 'The
 823 Frodo. 'And if you are supposed to be on the road, there is some chance that
 824 'That settles it!' said Frodo. 'Short cuts make delays, but inns make
 825 'I will go along with you, Mr. Frodo,' said Sam (in spite of private
 826 and fences. Frodo reckoned they had eighteen miles to go in a straight line.
 827 'Look!' he said, clutching Frodo by the arm. They all looked, and on
 828 They at once gave up any idea of going back. Frodo led the way, and
 829 'It is no good our starting to go in zig-zags,' said Frodo. 'That won't
 830 Frodo propped his back against the tree-trunk, and closed his eyes. Sam
 831 Ho! Ho! Ho! they began again louder. They stopped short suddenly. Frodo
 832 'It was not bird or beast,' said Frodo. 'It was a call, or a signal --
 833 behind them stood the high place where they had breakfasted. Frodo half
 834 'One trouble after another!' said Frodo, looking nearly as much alarmed
 835 'I know,' said Frodo. 'But all the same,' he added with a shamefaced
 836 Frodo and Sam stopped dead, but Pippin walked on a few paces. The gate
 837 three halted in front of Frodo, bristling and growling.
 838 about the dogs?' asked Frodo anxiously.
 839 Here, Grip! Fang! Heel!' he cried. 'Heel, Wolf!' To the relief of Frodo and
 840 Pippin introduced the other two to the farmer. 'Mr. Frodo Baggins,' he
 841 name Baggins the farmer started, and gave Frodo a sharp glance. For a moment
 842 Frodo thought that the memory of stolen mushrooms had been aroused, and
 843 name. I recollect the time when young Frodo Baggins was one of the worst
 844 Frodo sat for a moment looking at the fire, but his only thought was
 845 gone mixing yourself up with Hobbiton folk, Mr. Frodo. Folk are queer up
 846 Frodo said nothing: the shrewd guesses of the farmer were rather
 847 'Well, Mr. Frodo,' Maggot went on, 'I'm glad that you've had the sense
 848 'Maybe you're right,' said Frodo, avoiding the farmer's eye and staring
 849 'I was thinking so,' said Frodo. But we have got to try and get there;
 850 'And so should we!' said Frodo. 'But we must be going at once, I'm

851 Frodo now accepted the invitation gratefully, to the relief of Pippin
 852 seemed slower than a snail to Frodo. Beside him Pippin was nodding towards
 853 'You'd better be hidden, Mr. Frodo,' said Sam anxiously. 'You get down
 854 Frodo sprang out of the waggon to greet him. 'So there you are at
 855 you'll excuse me, Mr. Merry and Mr. Frodo and all, I'd best be turning for
 856 dwindled into the foggy night. Suddenly Frodo laughed: from the covered
 857 his head, and for a moment had a passing wish that Mr. Frodo could have gone
 858 'Look back, Mr. Frodo! Do you see anything?'
 859 'Something that is following us,' said Frodo. 'But don't ask any more
 860 'Thank goodness you don't keep any boats on the west -bank!' said Frodo.
 861 'We had our supper early with Farmer Maggot,' said Frodo; 'but we could
 862 It was some distance from the Brandywine to Frodo's new house at
 863 hedge. Frodo had chosen it, because it stood in an out-of-the-way corner of
 864 the windows were dark and shuttered. Frodo knocked on the door, and Fatty
 865 Frodo looked round. It did look like home. Many of his own favourite
 866 'Which order shall we go in?' said Frodo. 'Eldest first, or quickest
 867 There was a terrific splash, and a shout of Whoa! from Frodo. It
 868 called. Frodo came out drying his hair.
 869 'They're mine!' said Frodo. 'Given to me by Mrs. Maggot, a queen among
 870 likings of Big People. A fact which partly explains young Frodo's long
 871 'We have all been scared,' said Pippin after a pause, in which Frodo
 872 'Black figures riding on black horses,' answered Pippin. 'If Frodo
 873 gave various supporting nods and exclamations. Frodo remained silent.
 874 Maggot's voice. What do you make of it all, Frodo?'
 875 'Cousin Frodo has been very close,' said Pippin. 'But the time has come
 876 'That was only a guess,' said Frodo hastily. 'Maggot does not know
 877 many strange things. But you can at least tell us, Frodo, whether you think
 878 'I think,' answered Frodo slowly, 'that it was a good guess, as far as
 879 'Well!' said Frodo at last, sitting up and straightening his back, as
 880 'What do you mean?' said Frodo, looking at him anxiously. 'Just this,
 881 my dear old Frodo: you are miserable, because you don't know how to say
 882 Frodo opened his mouth and shut it again. His look of surprise was so
 883 comical that they laughed. 'Dear old Frodo!' said Pippin. 'Did you really
 884 'Good heavens!' said Frodo. 'I thought I had been both careful and
 885 'But I must go,' said Frodo. 'It cannot be helped, dear friends. It is
 886 'My dear and most beloved hobbits!' said Frodo deeply moved. 'But I
 887 The Ring!' said Frodo, now completely amazed.
 888 'Go on!' said Frodo faintly.
 889 must be the only one in the Shire, besides you Frodo, that has ever seen the
 890 'You have read his book!' cried Frodo. 'Good heavens above! Is nothing
 891 Frodo?'
 892 'Where is he?' said Frodo, looking round, as if he expected a masked
 893 'Sam!' cried Frodo, feeling that amazement could go no further, and
 894 to you, Mr. Frodo, nor to Mr. Gandalf for that matter. He has some sense,
 895 'But it does not seem that I can trust anyone,' said Frodo. Sam looked
 896 word. We are your friends, Frodo. Anyway: there it is. We know most of what
 897 'I don't deny it,' said Frodo, looking at Sam, who was now grinning. 'I
 898 'Good! That's settled. Three cheers for Captain Frodo and company!'
 899 'Very good!' said Frodo. 'But in that case there are a lot of things to
 900 'I don't know,' answered Frodo. 'I fear those Black Riders, and I am
 901 'It seems to have been a very efficient conspiracy,' said Frodo. 'But
 902 Frodo sat for a while in thought. 'I have made up my mind,' he said
 903 'Not quite,' said Merry. It sounds very desperate, but I believe Frodo
 904 when the fit takes them. We have a private entrance. Frodo went in once,
 905 Fond as he was of Frodo, Fatty Bolger had no desire to leave the Shire,
 906 had even brought along some old clothes of Frodo's to help him in playing
 907 'Excellent!' said Frodo, when he understood the plan. 'We could not
 908 When at last he had got to bed, Frodo could not sleep for some time.
 909 Frodo woke suddenly. It was still dark in the room. Merry was standing
 910 'All right! What is it?' said Frodo, still shaken and bewildered.
 911 Here Fatty Bolger halted. 'Good-bye, Frodo!' he said. 'I wish you were
 912 lucky,' said Frodo. 'Tell Gandalf to hurry along the East Road: we shall
 913 that path,' Frodo said to him. 'Don't let us lose one another, or forget
 914 Frodo began to wonder if it were possible to find a way through, and if
 915 their ears. Frodo tried to sing a song to encourage them, but his voice sank
 916 settling steadily on Frodo's heart, and he regretted now with every step

917 Frodo felt his chin go down and his head nod. Just in front of him
 918 Pippin fell forward on to his knees. Frodo halted. 'It's no good,' he heard
 919 Frodo did not like the sound of this. 'Come on!' he cried. 'We can't
 920 Suddenly Frodo himself felt sleep overwhelming him. His head swam.
 921 Frodo lay for a while fighting with the sleep that was overpowering
 922 He rushed back to the bank. Frodo was in the water close to the edge,
 923 'You were dreaming I expect, Mr. Frodo,' said Sam. 'You shouldn't sit
 924 'What about the others?' Frodo asked. 'I wonder what sort of dreams
 925 Frodo and Sam beat first upon the tree-trunk where Pippin had lain.
 926 'What a foul thing to happen!' cried Frodo wildly. 'Why did we ever
 927 'I suppose we haven't got an axe among our luggage, Mr. Frodo?' asked
 928 'I brought a little hatchet for chopping firewood,' said Frodo. 'That
 929 'We might,' said Frodo doubtfully. 'We might succeed in roasting Pippin
 930 'Who? What?' shouted Frodo, rushing round to the other side of the
 931 little fire and stamped out the sparks. But Frodo, without any clear idea of
 932 Half hopeful and half afraid of some new danger, Frodo and Sam now both
 933 Frodo and Sam stood as if enchanted. The wind puffed out. The leaves
 934 'Help!' cried Frodo and Sam running towards him with their hands
 935 'My friends are caught in the willow-tree,' cried Frodo breathlessly.
 936 'Come dear folk!' she said, taking Frodo by the hand. Faugh and be
 937 smiled. 'Fair lady Goldberry!' said Frodo at last, feeling his heart moved
 938 'Fair lady!' said Frodo again after a while. 'Tell me, if my asking
 939 Frodo looked at her questioningly. 'He is, as you have seen him,' she
 940 supper. Sleep gathered on their eyelids. At last Frodo spoke:
 941 He fell silent again; but Frodo could not help asking one more
 942 In the dead night, Frodo lay in a dream without light. Then he saw the
 943 of rock, pierced by a dark arch like a great gate. It seemed to Frodo that
 944 'Black Riders!' thought Frodo as he wakened, with the sound of the hoofs
 945 They leapt up refreshed. Frodo ran to the eastern window, and found
 946 hobbits listened with delight; and Frodo was glad in his heart, and blessed
 947 be seen all round the house but falling water. Frodo stood near the open
 948 Man Willow, and Frodo learned now enough to content him, indeed more
 949 Frodo could not tell. He did not feel either hungry or tired, only filled
 950 fashion, news had reached him from Gildor concerning the flight of Frodo.
 951 Frodo found himself telling him more about Bilbo and his own hopes and fears
 952 story: and Frodo, to his own astonishment, drew out the chain from his
 953 vanished with a flash. Frodo gave a cry - and Tom leaned forward and handed
 954 Frodo looked at it closely, and rather suspiciously (like one who has
 955 weighed the same: for that Ring had always seemed to Frodo to weigh
 956 an exclamation. Frodo was delighted (in a way): it was his own ring all
 957 his shining eyes. 'Hey! Come Frodo, there! Where be you a-going? Old Tom
 958 Frodo laughed (trying to feel pleased), and taking off the Ring he came
 959 them, he could not tell which, Frodo heard a sweet singing running in his
 960 slope, when suddenly Frodo stopped.
 961 shines!' And to Frodo she said: 'Farewell, Elf-friend, it was a merry
 962 But Frodo found no words to answer. He bowed low, and mounted his pony,
 963 'Splendid!' said Frodo. 'If we make as good going this afternoon as we
 964 wandering in different directions they went in file, with Frodo leading. Sam
 965 to stretch on endlessly. Suddenly Frodo saw a hopeful sign. On either side
 966 'Hoy! Frodo! Hoy!' It was away eastward, on his left as he stood under the
 967 and far ahead and high above him. 'Frodo! Hoy!' came the thin voices out of
 968 'No!' said Frodo; but he did not run away. His knees gave, and he fell
 969 hobbit, wailing for some final and desperate danger to make it grow. Frodo
 970 warmth for which it hungered. Frodo was chilled to the marrow. After a while
 971 At first Frodo felt as if he had indeed been turned into stone by the
 972 Frodo fell forward over Merry, and Merry's face felt cold. All at once
 973 There was a sudden deep silence, in which Frodo could hear his heart
 974 door-like opening appeared at the end of the chamber beyond Frodo's feet;
 975 faces of the three hobbits lying beside Frodo. They did not stir, but the
 976 'Come, friend Frodo!' said Tom. 'Let us get out on to clean grass! You
 977 Together they carried out Merry, Pippin, and Sam. As Frodo left the
 978 To Frodo's great joy the hobbits stirred, stretched their arms, rubbed
 979 first at Frodo, and then at Tom standing large as life on the barrow-top
 980 'What am I saying? I have been dreaming. Where did you get to, Frodo?'
 981 'I thought that I was lost,' said Frodo; 'but I don't want to speak of
 982 Frodo saw him running away southwards along the green hollow between

983 asked Frodo.
 984 Though Frodo looked about him on every side he saw no sign of the great
 985 be seen. 'Well, here we are again at last!' said Frodo. 'I suppose we
 986 'It may be all we could wish,' said Frodo; 'but it is outside the Shire
 987 It was dark, and white stars were shining, when Frodo and his
 988 'We are making for the inn here,' answered Frodo. 'We are journeying
 989 place to discuss them,' said Frodo, not liking the look of the man or the
 990 He wished them good night, and they said no more; but Frodo could see
 991 'What's wrong with the inn?' said Frodo. 'Tom Bombadil recommended it.
 992 yard they climbed up the steps. Frodo went forward and nearly bumped into a
 993 'Can we--' began Frodo.
 994 'Mr. Took and Mr. Brandybuck,' said Frodo; 'and this is Sam Gamgee. My
 995 talk) that Frodo, Pippin, and Sam decided to join the company. Merry said it
 996 large and mixed, as Frodo discovered, when his eyes got used to the light.
 997 could not imagine sharing a name without being related, they took Frodo to
 998 The Bree-hobbits were, in fact, friendly and inquisitive, and Frodo
 999 At this a chorus of voices broke out. If Frodo had really wanted to
 1000 go for further information. But after a time, as Frodo did not show any sign
 1001 doings in the Shire. Frodo did not prove very communicative, and he soon
 1002 Frodo a little uneasy. One of the Bree-landers, who seemed to have been in
 1003 Suddenly Frodo noticed that a strange-looking weather-beaten man,
 1004 'Who is that?' Frodo asked, when he got a chance to whisper to Mr.
 1005 Frodo found that Strider was now looking at him, as if he had heard or
 1006 nod, he invited Frodo to come over and sit by him. As Frodo drew near he
 1007 'He did,' said Frodo stiffly. He felt far from comfortable under the
 1008 smile, seeing Frodo's glance. 'And there have been even stranger travellers
 1009 through Bree lately,' he went on, watching Frodo's face.
 1010 Frodo returned his gaze but said nothing; and Strider made no further
 1011 Frodo became aware that the ridiculous young Took, encouraged by his success
 1012 Frodo was annoyed. It was a harmless enough tale for most of the local
 1013 Frodo fidgeted, wondering what to do. Pippin was evidently much
 1014 their danger. Frodo had a sudden fear that in his present mood he might even
 1015 Frodo jumped up and stood on a table, and began to talk. The attention
 1016 of Pippin's audience was disturbed. Some of the hobbits looked at Frodo and
 1017 Frodo suddenly felt very foolish, and found himself (as was his habit
 1018 For a moment Frodo stood gaping. Then in desperation he began a
 1019 probably why it came into Frodo's mind just then. Here it is in full. Only a
 1020 There was loud and long applause. Frodo had a good voice, and the song
 1021 They made Frodo have another drink, and then begin his song again,
 1022 quick at picking up words. It was now Frodo's turn to feel pleased with
 1023 Frodo felt a fool. Not knowing what else to do, he crawled away under
 1024 his thoughts. Frodo leaned back against the wall and took off the Ring. How
 1025 'I don't know what you mean,' said Frodo, annoyed and alarmed.
 1026 'What about?' asked Frodo, ignoring the sudden use of his proper name.
 1027 Frodo in the eye. 'You may hear something to your advantage.'
 1028 'Very well,' said Frodo, trying to appear unconcerned. 'I'll talk to
 1029 'Of course there's a mistake!' said Frodo. 'I haven't vanished. Here I
 1030 or two gave Frodo a black look and departed muttering among themselves.
 1031 good night to the landlord, but not to Frodo and his friends. Before long no
 1032 'I am very sorry to have caused any trouble,' said Frodo. 'It was quite
 1033 'Certainly!' said Frodo; but his heart sank. He wondered how many
 1034 Frodo, Pippin, and Sam made their way back to the parlour. There was no
 1035 Frodo. 'What have you to say?'
 1036 'What do you mean?' asked Frodo sharply.
 1037 'And what will that be, pray?' said Frodo. He suspected now that he had
 1038 if he guessed Frodo's thoughts. 'Just this: you must take me along with you,
 1039 'Oh, indeed!' replied Frodo, surprised, but not much relieved. 'Even if
 1040 'Go on then!' said Frodo. 'What do you know?'
 1041 'I don't see what interest my name has for any one in Bree,' said Frodo
 1042 I was looking for a Hobbit called Frodo Baggins. I wanted to find him
 1043 'Now, don't mistake me!' he cried, as Frodo rose from his seat, and Sam
 1044 There was a silence. At last Frodo spoke to Pippin and Sam: 'I ought to
 1045 'Do you think he ' began Frodo.
 1046 altogether like mysterious vagabonds of my sort.' Frodo gave him a puzzled
 1047 'It was sheer accident!' interrupted Frodo.
 1048 'Hardly more than it was already,' said Frodo. 'I knew these horsemen

1049 said Frodo, still determined not to understand Strider's hints.
 1050 There was a heavy silence. Frodo made no answer, his mind was confused
 1051 'With your leave, Mr. Frodo, I'd say no! This Strider here, he warns
 1052 but turned his keen eyes on Frodo. Frodo caught his glance and looked away.
 1053 'And what has that got to do with me?' asked Frodo.
 1054 'Indeed! Let's have it then!' said Frodo, unwisely interrupting.
 1055 'He said it? And who was he?' asked Frodo eagerly.
 1056 'Well, what have you done?' said Frodo, getting impatient with the slow
 1057 'A letter for me from Gandalf!' cried Frodo.
 1058 'It is,' said Frodo, 'and you had better give me that letter at once,
 1059 'What do you mean?' asked Frodo.
 1060 'He's here with my leave,' said Frodo. 'He came to offer me his help.'
 1061 'I'm sorry I can't explain it all,' answered Frodo. 'I am tired and
 1062 is,' said Frodo. 'Are you still willing to help me?' 'I am,' said Mr.
 1063 'Well, we can only hope the Riders won't come back yet,' said Frodo.
 1064 'In any case we must be called at dawn,' said Frodo. 'We must get off
 1065 'I don't know,' said Frodo with sudden anxiety. They had forgotten all
 1066 'Well?' said Strider. 'When are you going to open that letter?' Frodo
 1067 Dear Frodo,
 1068 Frodo read the letter to himself, and then passed it to Pippin and Sam.
 1069 Frodo turned and looked at him thoughtfully, wondering about Gandalf's
 1070 There was a long silence. At last Frodo spoke with hesitation. 'I
 1071 'Did the verses apply to you then?' asked Frodo. 'I could not make out
 1072 'When did you last see Gandalf?' asked Frodo. 'Do you know where he is,
 1073 Gandalf's absence, I mean?' asked Frodo.
 1074 alarm for a moment before he gasped: 'I have seen them, Frodo! I have seen
 1075 'Black Riders!' cried Frodo. 'Where?'
 1076 started, noticing the stranger for the first time. 'Go on!' said Frodo.
 1077 'We seem to have enemies all round,' said Frodo. 'What are we to do?'
 1078 While Strider was gone, Frodo gave Merry a rapid account of all that
 1079 chair against the door and shut the window. Peering out, Frodo saw that the
 1080 blanket. 'Very ridiculous of you, Frodo! But I wish I had been there to see.
 1081 In the early night Frodo woke from deep sleep, suddenly, as if some
 1082 Frodo soon went to sleep again; but his dreams were again troubled with
 1083 Frodo was crushed by the news. How could they hope to reach Rivendell
 1084 thoughtfully, as if he guessed what Frodo had in mind. 'We should not go
 1085 'Can't anything be done, Mr. Butterbur?' asked Frodo. 'Can't we get a
 1086 'Bill Ferny?' said Frodo. 'Isn't there some trick? Wouldn't the beast
 1087 Bree was buzzing with excitement. Frodo's vanishing trick; the appearance of
 1088 once more,' said Frodo. 'I should like nothing better than to stay in your
 1089 he stared at shut their mouths and drew away. He walked in front with Frodo;
 1090 near to the further gate, Frodo saw a dark ill-kept house behind a thick
 1091 As Frodo lay, tired but unable to close his eyes, it seemed to him that
 1092 Frodo lay down again, but for a long while he could still see the white
 1093 'What do you mean?' asked Frodo.
 1094 'What do you advise us to do?' asked Frodo.
 1095 Pippin declared that Frodo was looking twice the hobbit that he had been.
 1096 'Very odd,' said Frodo, tightening his belt, 'considering that there is
 1097 crown of the hill; Frodo and Merry followed, tired and breathless. The last
 1098 On the flat under-side Frodo saw some scratches: 'There seems to be a
 1099 mean,' said Frodo 'It would be a great comfort to know that he was on the
 1100 'A fortnight!' said Frodo. 'A lot may happen in that time.'
 1101 In that lonely place Frodo for the first time fully realized his
 1102 pulling Frodo down beside him. Merry threw himself alongside.
 1103 specks, but neither Frodo nor Merry could make out their shapes for certain;
 1104 --More--
 1105 Files Proccessed: 1
 1106 Bytes Proccessed: 1020227

Program: catgrepmore.c

```
1  /*
2  Nikola Janjusevic
3  Operating Systems Assignment 4
4  catgrepmore pattern infile
5  cat infile | grep pattern | more
6  */
7  // argument parsing adapted from gnu.org example of getopt
8  # include <ctype.h>
9  # include <stdio.h>
10 # include <stdlib.h>
11 # include <unistd.h>
12 # include <fcntl.h>
13 # include <string.h>
14 # include <errno.h>
15 # include <sys/wait.h>
16 # include <setjmp.h>
17
18 # define DEBUG 0
19 # define BUFFSIZE 4069
20
21 int byte_count=0;
22 int file_count=0;
23
24 void int_handler(int sn)
25 {
26     fprintf(stderr, "\nFiles Proccessed: %d\nBytes Processed: %d\n", \
27         file_count, byte_count);
28     exit(0);
29 }
30
31 pid_t execPipeIO(const char *cmd, const char *arg, int ifd, int ofd, \
32     const int *close_fds, const int n);
33 int cat(int fdi, int fdo, char *buf, int buff_size);
34
35 int main(int argc, char **argv)
36 {
37     pid_t pid1, pid2;
38     int i, fd_in;
39     int pipes[4];
40     int bs = BUFFSIZE;
41     char *buf;
42     int wstatus;
43
44     // SIGINT HANDLE
45     struct sigaction sa;
46     sa.sa_handler=int_handler;
47     sa.sa_flags=0;
48     sigemptyset(&sa.sa_mask);
49     if(sigaction(SIGINT,&sa,0)==-1)
50     {
51         perror("sigaction");
52         exit(-1);
53     }
54     if( signal(SIGPIPE,SIG_IGN) == SIG_ERR )
55     {
56         perror("sigpipe set error");
57         exit(-1);
58     }
59
60     // valid arguments check
61     if( argc<3 )
62     {
63         fprintf(stderr, "%s: must specify grep pattern and infile\n", argv[0]);
```

```

64         exit(-1);
65     }
66
67     // buffer allocation
68     if( (buf=malloc(bs)) < 0 )
69     {
70         perror("malloc error");
71         exit(-1);
72     }
73
74     // loop over infiles
75     for(i=2; i<argc; i++)
76     {
77         // open infile
78         if( (fd_in=open(argv[i], O_RDONLY)) < 0 )
79         {
80             fprintf(stderr,"infile %s open error: %s\n", \
81                 argv[i], strerror(errno));
82             exit(-1);
83         }
84
85         // pipe creation
86         if(pipe(pipes)<0 || pipe(pipes+2)<0)
87         {
88             perror("error creating pipes");
89             exit(-1);
90         }
91         // pipe[0] grep read
92         // pipe[1] cat write
93         // pipe[2] more read
94         // pipe[3] grep write
95         if(DEBUG)
96         {
97             fprintf(stderr,"+ pipes[]={%d,%d,%d,%d}\n", \
98                 pipes[0],pipes[1],pipes[2],pipes[3]);
99         }
100
101         // FORK -> EXEC GREP
102         // array of file descriptors for child process to close
103         const int close_fds1[3] = {pipes[1],pipes[2],fd_in};
104         pid1 = execPipeIO("grep",argv[1],pipes[0],pipes[3],close_fds1,3);
105         if(DEBUG)
106             fprintf(stderr,"+ grep pid: %d\n",pid1);
107
108         // FORK -> EXEC MORE
109         const int close_fds2[4] = {pipes[0],pipes[1],pipes[3],fd_in};
110         pid2 = execPipeIO("more",NULL,pipes[2],STDOUT_FILENO,close_fds2,4);
111         if(DEBUG)
112             fprintf(stderr,"+ more pid: %d\n",pid2);
113
114         // close pipe references
115         if( close(pipes[0])== -1 || close(pipes[2])== -1 || close(pipes[3])== -1 )
116             perror("error, parent couldn't close pipe references");
117
118         if(DEBUG)
119             fprintf(stderr,"+ catting infile %s\n",argv[i]);
120         // CAT
121         cat(fd_in, pipes[1], buf, bs);
122         file_count++;
123
124         // close the infile
125         if(fd_in != STDIN_FILENO && close(fd_in) < 0)
126         {
127             fprintf(stderr, "infile %s close error: %s\n", \
128                 argv[i], strerror(errno));
129             exit(-1);

```

```

130     }
131
132     if( close(pipes[1])<0 )
133     {
134         fprintf(stderr,"cat write pipe close error: %s\n",strerror(errno));
135         exit(-1);
136     }
137
138     // wait for ALL child processes to terminate
139     int p;
140     while( (p=wait(&wstatus))>0 || errno==EINTR )
141     {
142         if(DEBUG)
143             fprintf(stderr,"+ terminated pid: %d\n\t+ if exited: %d\n"
144                     "\t+ exit status: %d\n",p,WIFEXITED(wstatus), \
145                     WEXITSTATUS(wstatus));
146     }
147 }
148
149 fprintf(stderr,"\nFiles Proccessed: %d\nBytes Processed: %d\n", \
150         file_count, byte_count);
151
152 free(buf);
153 return 0;
154 }
155
156 // pipeIO redirection and execution of cmd
157 // uses execlp with only one argument, arg
158 pid_t execPipeIO(const char *cmd, const char *arg, int ifd, int ofd, \
159                 const int *close_fds, const int n)
160 {
161     pid_t pid;
162     int i;
163     switch( pid=fork() )
164     {
165     case -1:
166         fprintf(stderr,"%s fork error: %s\n", cmd, strerror(errno));
167         return -1;
168     case 0:
169
170         // redirect IO to pipes
171         if( dup2(ifd,STDIN_FILENO)==-1 )
172         {
173             fprintf(stderr,"%s in-pipe failure: %s\n", cmd, strerror(errno));
174             exit(-1);
175         }
176         if( dup2(ofd,STDOUT_FILENO)==-1 )
177         {
178             fprintf(stderr,"%s out-pipe failure: %s\n", cmd, strerror(errno));
179             exit(-1);
180         }
181
182         // close dangling files
183         for(i=0; i<n; i++)
184         {
185             if( close(close_fds[i])== -1 )
186             {
187                 perror("error closing dangling fds in child");
188                 exit(-1);
189             }
190         }
191
192         if( signal(SIGPIPE,SIG_DFL) == SIG_ERR )
193         {
194             perror("sigpipe set error in child");
195             exit(-1);

```

```

196     }
197
198     // execute
199     execlp(cmd,cmd,arg,NULL);
200     fprintf(stderr,"%s cmd exec failed: %s\n", cmd, strerror(errno));
201     exit(-1);
202
203     default:
204         return pid;
205 }
206 }
207
208
209 // performs concatenation of infile to outfile
210 int cat(int fdi, int fdo, char *buf, int buff_size)
211 {
212     int n,m;
213     char *temp;
214     while( (n=read(fdi, buf, buff_size)) > 0 )
215     {
216         temp = buf;
217         while( (m = write(fdo, temp, n)) !=n )
218         {
219             if(errno==EPIPE)
220                 return -1;
221             fprintf(stderr,"outfile with fd=%d write error: %s\n", \
222                 fdo, strerror(errno));
223             temp+=m;
224         }
225         // updating byte count global
226         byte_count+=n;
227     }
228     if(n<0)
229     {
230         fprintf(stderr,"infile with fd=%d read error: %s\n", \
231             fdi, strerror(errno));
232         exit(-1);
233     }
234     return 0;
235 }

```