

-cse15l-lab-reports

Week 5 Lab Report

In this week's lab report, students are required to research the commands less, find, or grep and provide 4 command-line options or alternatives.

I will focus on the grep command.

Command 1: "-i"

-i (ignore case): This option allows you to search for a pattern case-insensitively. For example, `grep -i "hello" file.txt` will match both "hello" and "Hello".

Example 1:

Command:

```
grep -i "all" ch7.txt
```

Output:

```
In this chapter, I take up dilemmas that today's parents face in rearing young childr
When we speak of self-esteem, we refer to the judgments we make of our own worth and
By the school years, individual differences in self-esteem are clearly evident and st
Although self-esteem and favorable development are related, high self-esteem does not
Parents who deliver praise not based on real attainment actually undermine their chil
Finally, children don't need to feel great about everything they try. None of us is a
In Chapter 2, I also noted that it is crucial for parents to model good viewing pract
As I noted in Chapter 4, the computer, like TV, has just as much potential for good a
Almost all American public-school classrooms have at least one computer,8 and many pr
A common parental worry is that computers will channel children into solitary pursuit
Beginning in the late preschool years, children can learn to program. Specially desig
How much is too much and how young is too young? There's no evidence that computer ex
Martha Bronson's The Right Stuff for Children Birth to 813 is as an excellent resourc
Children's rooms and play spaces need not be filled with every toy imaginable. A modes
Nevertheless, preference is not the same as appropriateness. Children sometimes choos
```

When children do ask these questions, parents vary widely in how much information they provide. Although spanking has declined over the past 50 years, the majority of parents in the United States still spank their children. Why doesn't spanking work? First, when parents spank, they often do so in response to a child's misbehavior. But parents have far better ways to punish than spanking. One of these is time out—removing the child from the situation. An important preventive of misbehavior—and a vital element of effective punishment—is explaining to children what they did wrong, why it was wrong, and how they should have behaved. In sum, when time out is combined with reasoning, it remains effective through the school years. If parents find themselves punishing frequently, then they need to reconsider the basic principles of discipline. Three additional ways to avoid excessive punishment are worth mentioning. First, change the environment. It's also important to figure out why these persistent tantrums are occurring. As the child grows, if your child has been emotionally reactive and difficult to soothe since infancy, then the tantrums may be a sign of a more serious problem. Most children build up to a tantrum gradually. Parents can tell it's in the offing, a sign that the child is about to have a tantrum. Make-believe play is an effective context in which preschoolers can practice what to do in difficult situations. As this question makes clear, some children are far harder to discipline than others. A seemingly stubborn child may feel so little anxiety that parental disapproval and reprimand have little effect. Finally, looking for the "silver lining" in the child's difficult disposition can help. By the time Carl reached school age, he was doing remarkably well. The energies he has as a child are now focused on his studies. Parents of quiet children often wonder whether their youngster is developing normally. Our society places such a high value on sociability that adults often regard quiet children as "shy." Nevertheless, you might want to encourage a quiet, inactive child to engage in active play. Besides modeling destructive forms of interaction, parents who behave hurtfully toward their children are also modeling aggression. In sum, parents behaving insolently to each other are up against a brick wall in getting their children to behave. The best way for parents to ensure that only children fare well is to engage them in positive activities. A major reason for these positive outcomes is that having just one child generally means that the child receives more attention. Children display wide individual differences in the quality of their sibling ties. On the elementary school years are a time when sibling conflict can increase. As children grow, if your child's language development is delayed by several months when compared to normal, then the child may have a language disorder. The most common cause of early language problems is a hearing loss. Typically, children with hearing loss can also emerge later. The most common cause during toddlerhood and the preschool years is otitis media. When children begin preschool or child care, they are more susceptible to otitis media. Although many teachers believe that a 5-year-old who's on the young side can benefit from reading, as long as teachers are sensitive to children's diversity and work with small groups, then the child can benefit. American parents often express uncertainty about helping their child with homework. The metaphor of a scaffold, discussed in Chapter 2, is an excellent guide for how to help. Too often, parents imagine that their child's classmates can do the homework assignments. Throughout elementary school, girls get better grades in math—and other academic subjects. Although heredity may contribute to boys' spatial superiority, experience also makes a difference. Also, subtle feedback from adults undermines girls' confidence in their ability to do math. As a result of these messages, too many girls come to believe that when they succeed in math, it's just a fluke. By secondary school, girls' advantage on tests of general verbal ability is so slight that it's often overlooked. Just as children think of math as a masculine subject, they regard reading and writing as feminine. In a recent Australian study carried out by psychologist Freda Briggs, several hundred children were studied. Although more evidence is needed to be sure, perhaps classrooms that create "zones" for different activities can help. Divorce is invariably painful for children, and learning and development can be affected. Many school-age children and adolescents also react strongly to the end of their parents' marriage. Your child's intellectual growth will definitely continue as long as you and other important people in their lives provide a supportive environment. All too often, children's disabilities are viewed as entirely biological, much like a

In bash, every instance of "all" in ch7.txt, regardless of capitalization, is highlighted. This is useful because this allows users to search for every single instance of a word, regardless of its case-sensitivity.

Example 2:

Command:

```
grep -i "war" HistoryFrance.txt
```

Output:

position was threatened by Ligurian pirates at sea and warlike tribes in present-day Belgium, and warned that the Germanic tribes across The Romanization of Gaul sent the most energetic warriors to ordinary French citizens. To the common man, wars were just another During war and peace alike in this feudal age, the Church and the administration and abandoned an initially tolerant policy toward the financial intrigue than on questions of theology. The French Wars of the bitter wars. The Edict of Nantes was signed in 1598 to protect the royal stewards were sent out to diminish the autonomy of the regional Thirty Years' War against the Catholic Austrians, Italians, and time of war. Rhineland and Palatinate, and the series of largely fruitless wars with force. Taxes soared to pay for his wars, and more and more peasants had Toward Democracy fighting force well equipped for war. After a lightning victory over war, Alsace and a portion of Lorraine were ceded to Germany. its enormous war-reparations debt to Germany, and expanded its overseas became intense. Most of France went enthusiastically into World War I, 1917, the conservative parties dominated the immediate post-war period, Socialists in 1920. France seemed less aware of the threat from Nazi to support the Republicans in the Spanish Civil War and then – faced War and Peace year later, France was once again at war with Germany. Philippe Pétain, the hero of World War I, capitulated on behalf of the history, took an important step toward rebuilding national Champs-Élysées, the business of post-war reconstruction, though boosted and the wartime alliance of de Gaulle's conservatives and the Communist brought the war to an end with Algerian independence in 1962. His major independent of NATO and the Warsaw Pact, gave France a renewed

In bash, every instance of "war" in HistoryFrance.txt, regardless of capitalization, is highlighted. This is useful because this allows users to search for every single instance of a word, regardless of its case-sensitivity.

Citation: To find this command I asked ChatGPT. My prompt was: "give me the easiest/simplest command-line options to use with grep". I made sure my commands worked with command line after seeing the results.

Command 2: "-r"

-r (recursive search): This option allows you to search for a pattern recursively in all files within a directory. For example, `grep -r "hello" /path/to/directory` will search for "hello" in all files within the specified directory.

Example 1:

Command:

```
grep -r "Lucayans" written_2/
```

Output:

```
written_2/travel_guides/berlitz2/Bahamas-History.txt:Centuries before the arrival of  
written_2/travel_guides/berlitz2/Bahamas-History.txt:The Spaniards never bothered to
```

In bash, every instance of "Lucayans" within the written_2 directory is highlighted. The -r command is useful because it recursively searches through every file in a given directory for a specified word.

Example 2:

Command:

```
grep -r "Port Canaveral on Florida" written_2/
```

Output:

```
written_2/travel_guides/berlitz2/Bahamas-WhereToGo.txt:Many cruises to the Bahamas de
```

In bash, every instance of "Port Canaveral on Florida" within the written_2 directory is highlighted. The -r command is useful because it recursively searches through every file in a given directory

for a specified word.

Citation: To find this command I asked ChatGPT. My prompt was: "give me the easiest/simplest command-line options to use with grep". I made sure my commands worked with command line after seeing the results.

Command 3: "-n"

-n (line numbers): This option shows the line numbers of the matching lines. For example, `grep -n "hello" file.txt` will show the line numbers of the lines containing "hello".

Example 1:

Command:

```
grep -n "contributed" ch2.txt
```

Output:

```
237:What factors contributed to Hannah's turnabout? Shared understanding (intersubjec
```

In bash, every line with the phrase "contributed" is given within the file ch2.txt, with the specified word highlighted. The -n command is useful because it only gives you the line with the word/phrase you are searching for, making file parsing more easier for specific words.

Example 2:

Command:

```
grep -n "attributed" ch2.txt
```

Output:

```
233:Hannah completed her degree the following year. In a letter she wrote to Eva and
```

In bash, every line with the phrase "attributed" is given within the file ch2.txt, with the specified word highlighted. The -n command is useful because it only gives you the line with the

word/phrase you are searching for, making file parsing more easier for specific words.

Citation To find this command I asked ChatGPT. My prompt was: "give me the easiest/simplest command-line options to use with grep". I made sure my commands worked with command line after seeing the results.

Command 4: "-w"

-w (word-matching): This option matches only complete words, rather than patterns that are part of a larger word. For example, `grep -w "hello" file.txt` will only match lines containing the word "hello", but not "hello there".

Example 1:

Command:

```
grep -w "the" China-WhatToDo.txt
```

Output:

```
Most visitors to China come to see the nation's many excellent historic and cultural
After watching coachloads of foreign tourists clamoring to buy souvenirs at every sto
But more adventurous travelers might stumble across the same items in a neighborhood
In many cities, arts and crafts department stores showcase the output of local artisa
Since the distribution system is unpredictable, old China hands say you shouldn't tak
Antiques. From fossils to ancient coins, Chinese customs regulations prohibit the exp
Bamboo products. In the southern regions where bamboo grows, cottage industries turn
Brocades and silk. Since the Han Dynasty, China has been exporting delicate silk fabr
Bronzeware. Modern versions of traditional hotpots are useful in the home, as are bro
China (porcelain). Reproductions of classical designs or modern teapots, cups, plates
Chopsticks. Now that you're becoming familiar with Chinese cooking, you might want to
Fans. One factory in Hangzhou alone manufactures 10 million fans per year, most of th
Figurines. Ceramic polychrome figurines of historic or legendary personages are popul
Furniture. Boxwood, mahogany, or bamboo screens, chairs, and chests with elaborately
Furs. Glossy sable or marten coats are often displayed in Friendship Stores. The styl
Ginseng. The all-purpose Chinese medicinal herb is becoming well known in the West as
Herbs and spices. Every market has stands selling fragrant spices. Look above all for
Ivory. Carvings of remarkable intricacy are a Chinese specialty. But only an expert c
Jade. One of the hardest of stones, jade has intrigued the Chinese for at least 3,000
Lacquerware. Numerous layers of lacquer, individually polished, are applied to trays,
Luggage. One answer to the problem of excessive buying might be to buy additional lug
```

Paintings. Squadrons of artists copy the traditional drawings and paintings by hand. Paper art. The Chinese, who invented paper, are thought to have devised the decorative Rubbings and reproductions. Stone rubbings of inscriptions from ancient temples, or c Seals. These ink stamps (also called "chops") are the traditional Chinese substitute. After a grueling day of sightseeing, you might not be too disappointed to discover that The Chinese hospitably assume that foreigners can't bear more than about ten minutes. But if you persevere, you will begin to understand what the Chinese see in this age-old. If possible, familiarize yourself with the plot in advance. Ideologically uplifting or Props are minimal and the action is subtle: an actor closes an invisible door with a Popular with adults and children, the Chinese shadow play (a 2,000-year-old art form). The so-called acrobatic shows, staged for tourist groups, are more fun than you might. Typically, the "Chinese folklore" performances are organized especially for tourists. During the Cultural Revolution, Beethoven and Tchaikovsky were banned and many musicals. Ballet, a vehicle for ideological indoctrination during the 1960s and 1970s, is much. With varying degrees of success, the tourist hotels try to meet foreigners' demands for

In bash, only the word "the" is highlighted in China-WhatToDo.txt, excluding any other words that may include "the" such as "then". This is useful because it allows users to search for very specific words, filtering out a lot of unnecessary information.

Example 2:

Command:

```
grep -w "bear" Canada-History.txt
```

Output:

In the Arctic region, the stabilization of the sea level and a dramatic cooling of the
For these great hunters of the Rocky Mountain foothills and prairies, wild game included
Like their Algonquin cousins back in the woodlands of Québec and Ontario, they showed

In bash, only the word "bear" is highlighted in Canada-History.txt, excluding any other words that may include "bear" such as "bearing". This is useful because it allows users to search for very specific words, filtering out a lot of unnecessary information.

Citation To find this command I asked ChatGPT. My prompt was: "give me the easiest/simplest command-line options to use with grep". I made sure my commands worked with command line after seeing the results.