**Instructions:**

**Write the answer to each question below the question in the space provided.   
You can “wrap-around” the answer on separate lines if you need more space.  
  
Part A: Display Results from Using the sed Utility**

Note the contents from the following tab-delimited file called **~murray.saul/uli101/stuff.txt:  
(this file pathname exists for checking your work)**

Line one.

This is the second line.

This is the third.

This is line four.

Five.

Line six follows

Followed by 7

Now line 8

and line nine

Finally, line 10

**Write the results of each of the following Linux commands for the above-mentioned file.**

1. sed -n '3,6 p' ~murray.saul/uli101/stuff.txt
2. sed '4 q' ~murray.saul/uli101/stuff.txt
3. sed '/the/ d' ~murray.saul/uli101/stuff.txt

1. sed 's/line/NUMBER/g' ~murray.saul/uli101/stuff.txt

**Part B: Writing Linux Commands Using the sed Utility**

**Write a single Linux command to perform the specified tasks for each of the following questions.**

1. **Write a Linux sed command to display only lines 5 to 9 for the file: ~murray.saul/uli101/stuff.txt**
2. **Write a Linux sed command to display only lines the begin the pattern “and” for the file: ~murray.saul/uli101/stuff.txt**
3. **Write a Linux sed command to display only lines that end with a digit for the file: ~murray.saul/uli101/stuff.txt**
4. **Write a Linux sed command to save lines that match the pattern “line” (upper or lowercase) for the file: ~murray.saul/uli101/stuff.txt and save results (overwriting previous contents) to: ~/results.txt**

**Part C: Writing Linux Commands Using the awk Utility**Note the contents from the following tab-delimited file called **~murray.saul/uli101/stuff.txt:  
(this file pathname exists for checking your work)**

Line one.

This is the second line.

This is the third.

This is line four.

Five.

Line six follows

Followed by 7

Now line 8

and line nine

Finally, line 10

**Write the results of each of the following Linux commands for the above-mentioned file.**

1. awk ‘NR == 3 {print}’ ~murray.saul/uli101/stuff.txt
2. awk ‘NR >= 2 && NR <= 5 {print}’ ~murray.saul/uli101/stuff.txt
3. awk ‘$1 ~ /This/ {print $2}’ ~murray.saul/uli101/stuff.txt

1. awk ‘$1 ~ /This/ {print $3,$2}’ ~murray.saul/uli101/stuff.txt

**Part D: Writing Linux Commands Using the awk Utility  
  
  
Write a single Linux command to perform the specified tasks for each of the following questions.**

1. **Write a Linux awk command to display all records for the file: ~/cars whose fifth field is greater than 10000.**
2. **Write a Linux awk command to display the first and fourth fields for the file: ~/cars whose fifth field begins with a number.**
3. **Write a Linux awk command to display the second and third fields for the file: ~/cars for records that match the pattern “chevy”.**
4. **Write a Linux awk command to display the first and second fields for all the records contained in the file: ~/cars**