**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~osl640**/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' ~osl640/stuff.txt**
2. **sed '4 q' ~osl640/stuff.txt**
3. **sed '/the/ d' ~osl640/stuff.txt**

1. **sed 's/line/NUMBER/g' ~osl640/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: ~osl640/stuff.txt**
2. **Write a Linux sed command to display only lines the begin the pattern “and” for the file: ~osl640/stuff.txt**
3. **Write a Linux sed command to display only lines that end with a digit for the file: ~osl640/stuff.txt**
4. **Write a Linux sed command to save lines that match the pattern “line” (upper or lowercase) for the file: ~osl640/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 **~osl640/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}’ ~osl640/stuff.txt**
2. **awk ‘NR >= 2 && NR <= 5 {print}’ ~osl640/stuff.txt**
3. **awk ‘$1 ~ /This/ {print $2}’ ~osl640/stuff.txt**

1. **awk ‘$1 ~ /This/ {print $3,$2}’ ~osl640/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.**
2. **Write a Linux awk command to display all records for the file: ~/cars whose fifth field is greater than 10000.**
3. **Write a Linux awk command to display the first and fourth fields for the file: ~/cars whose fifth field begins with a number.**
4. **Write a Linux awk command to display the second and third fields for the file: ~/cars for records that match the pattern “chevy”.**
5. **Write a Linux awk command to display the first and second fields for all the records contained in the file: ~/cars**