

HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY
FALCUTY OF COMPUTER SCIENCE AND ENGINEERING



OPERATING SYSTEM - CO2017

Laboratory Report

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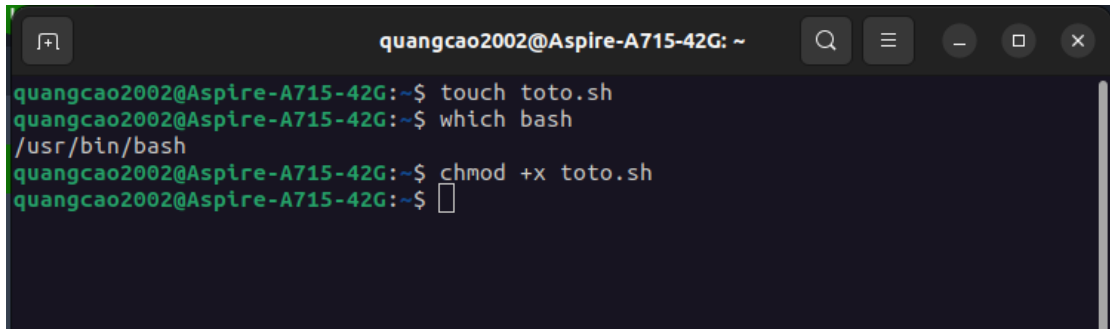


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1 Question 1. Create a file named toto that convert to upper case letter

First of all, we will open the terminal. The image below show the process to create the toto file and grant permission to edit.

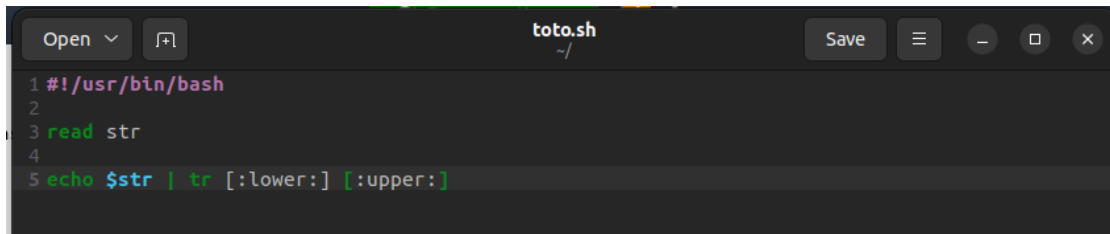


```
quangcao2002@Aspire-A715-42G: ~  
quangcao2002@Aspire-A715-42G:~$ touch toto.sh  
quangcao2002@Aspire-A715-42G:~$ which bash  
/usr/bin/bash  
quangcao2002@Aspire-A715-42G:~$ chmod +x toto.sh  
quangcao2002@Aspire-A715-42G:~$
```

Figure 1: The terminal

2 Question 2. Use tr command to convert all words from toto to uppercase letter

Then we locate the toto.sh file and open it using the default text editor provided by Ubuntu for coding.



```
Open  [icon]  toto.sh  Save  [icon]  [icon]  [icon]  
1 #!/usr/bin/bash  
2  
3 read str  
4  
5 echo $str | tr [:lower:] [:upper:]
```

Figure 2: The script

The code's segment above will read the user input and convert all words to upper case letters.

Here is the result:



```
quangcao2002@Aspire-A715-42G: ~  
quangcao2002@Aspire-A715-42G:~$ ./toto.sh  
hi  
HI  
quangcao2002@Aspire-A715-42G:~$
```

Figure 3: The terminal

3 Question 3. Display the current working directory and output to file named titi

To display the current working directory, we can use the pwd command.

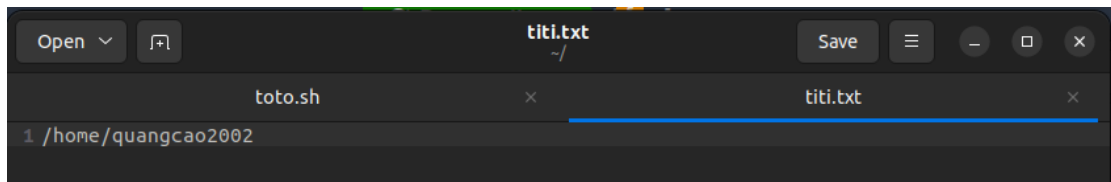
```
quangcao2002@Aspire-A715-42G: ~  
quangcao2002@Aspire-A715-42G:~$ pwd  
/home/quangcao2002  
quangcao2002@Aspire-A715-42G:~$
```

Figure 4: The result

The file titi.txt is used to store the result.

```
quangcao2002@Aspire-A715-42G: ~  
quangcao2002@Aspire-A715-42G:~$ pwd > titi.txt  
quangcao2002@Aspire-A715-42G:~$ cat titi.txt  
/home/quangcao2002  
quangcao2002@Aspire-A715-42G:~$
```

Figure 5: The result

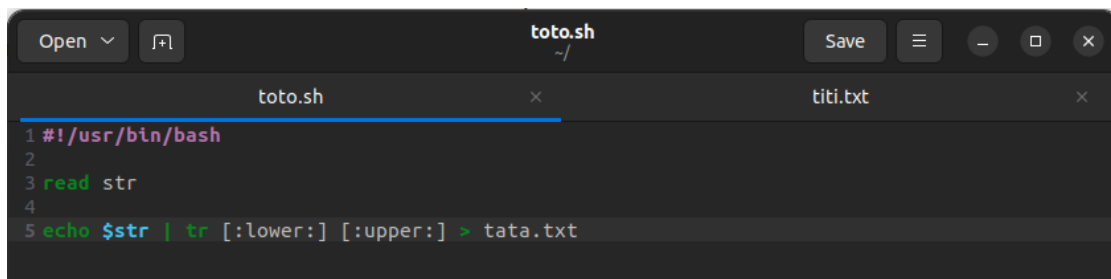


```
Open  titi.txt  Save  titi.txt
1 /home/quangcao2002
```

Figure 6: The content of titi.txt

4 Question 4. Output the result of Question 2 to the file named tata

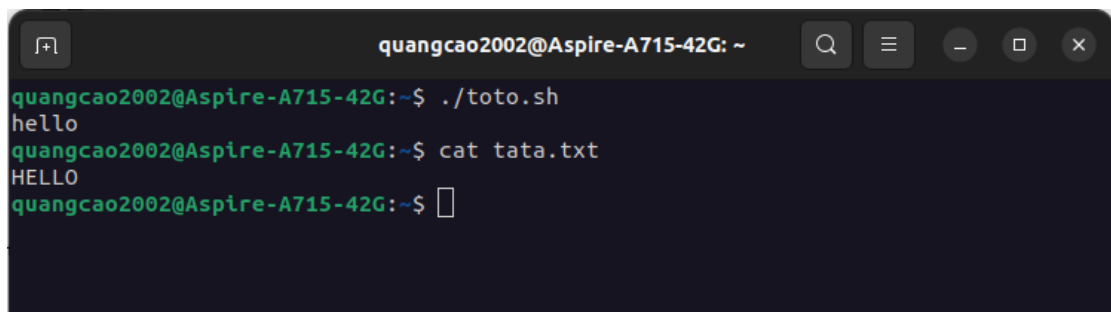
The toto.sh will need to be edited as following.



```
Open  toto.sh  Save  toto.sh
1 #!/usr/bin/bash
2
3 read str
4
5 echo $str | tr [:lower:] [:upper:] > tata.txt
```

Figure 7: The content of toto.sh

Here is the result:



```
quangcao2002@Aspire-A715-42G: ~
quangcao2002@Aspire-A715-42G:~$ ./toto.sh
hello
quangcao2002@Aspire-A715-42G:~$ cat tata.txt
HELLO
quangcao2002@Aspire-A715-42G:~$
```

Figure 8: The terminal



Figure 9: The content of tata.txt