

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
ОДЕСЬКИЙ НАЦІОНАЛЬНИЙ ПОЛІТЕХНІЧНИЙ УНІВЕРСИТЕТ  
ІНСТИТУТ КОМП'ЮТЕРНИХ СИСТЕМ  
КАФЕДРА ІНФОРМАЦІЙНИХ СИСТЕМ

Лабораторна робота №6

з дисципліни

“Операційні системи”

Тема

**«Основи використання скриптової мови інтерпретатора оболонки  
командного рядку»**

Варіант 7

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## Хід роботи

```
shulyak_mikola@vpsj3IeQ:~/lab6
[shulyak_mikola@vpsj3IeQ ~]$ mkdir lab6
[shulyak_mikola@vpsj3IeQ ~]$ cat text.txt
[shulyak_mikola@vpsj3IeQ ~]$ cp myosparam.sh lab6/myosparam.sh
[shulyak_mikola@vpsj3IeQ ~]$ ls
accounts.csv      Operating-System.-Laboratory-Work-1  ShulyakMikola.doc
csv_3rd.sh        Operating-System.-Laboratory-Work-1  ShulyakMikola.html
kekkekkek1234567  os.lab1.cpl251.html                 ShulyakMikola.pdf
lab6              os.lab1.utf.html                    shulyak_mikola.txt
mosce            razrazrazraz333                     text.txt
Moscemosc.sh     shulyak_lab3                        Усього
my_delete_directory.sh  shulyak_laba_4_1.csv
myosparam.sh     shulyak_laba_4.csv
[shulyak_mikola@vpsj3IeQ ~]$ cp ShulyakMikola.doc lab6/ShulyakMikola.doc
[shulyak_mikola@vpsj3IeQ ~]$ cp ShulyakMikola.pdf lab6/ShulyakMikola.pdf
[shulyak_mikola@vpsj3IeQ ~]$
[shulyak_mikola@vpsj3IeQ ~]$ cd lab6/
[shulyak_mikola@vpsj3IeQ lab6]$ cp myosparam.sh myosparam.txt
[shulyak_mikola@vpsj3IeQ lab6]$ ls
myosparam.sh  myosparam.txt  ShulyakMikola.doc  ShulyakMikola.pdf
[shulyak_mikola@vpsj3IeQ lab6]$
```

```
shulyak_mikola@vpsj3IeQ:~/lab6
[shulyak_mikola@vpsj3IeQ lab6]$ touch empty.txt
[shulyak_mikola@vpsj3IeQ lab6]$ ls
empty.txt  myosparam.sh  myosparam.txt  ShulyakMikola.doc  ShulyakMikola.pdf
[shulyak_mikola@vpsj3IeQ lab6]$
```

```
shulyak_mikola@vpsj3IeQ lab6]$ stat ShulyakMikola.doc
  File: `ShulyakMikola.doc'
  Size: 2606122          Blocks: 5096          IO Block: 4096   regular file
Device: fd01h/64769d    Inode: 758867          Links: 1
Access: (0664/-rw-rw-r--)  Uid: (54373/shulyak_mikola)   Gid: (54379/shulyak_mikola)
Access: 2021-04-09 17:34:10.713217384 +0300
Modify: 2021-04-09 17:34:10.745218183 +0300
Change: 2021-04-09 17:34:10.745218183 +0300
 Birth: -
shulyak_mikola@vpsj3IeQ lab6]$ stat ShulyakMikola.pdf
  File: `ShulyakMikola.pdf'
  Size: 731304          Blocks: 1432          IO Block: 4096   regular file
Device: fd01h/64769d    Inode: 758868          Links: 1
Access: (0664/-rw-rw-r--)  Uid: (54373/shulyak_mikola)   Gid: (54379/shulyak_mikola)
Access: 2021-04-09 17:34:28.818669242 +0300
Modify: 2021-04-09 17:34:28.840669791 +0300
Change: 2021-04-09 17:34:28.840669791 +0300
 Birth: -
shulyak_mikola@vpsj3IeQ lab6]$ stat myosparam.sh
  File: `myosparam.sh'
  Size: 617             Blocks: 8             IO Block: 4096   regular file
Device: fd01h/64769d    Inode: 758866          Links: 1
Access: (0664/-rw-rw-r--)  Uid: (54373/shulyak_mikola)   Gid: (54379/shulyak_mikola)
Access: 2021-04-09 17:35:16.704864338 +0300
Modify: 2021-04-09 17:33:10.587716832 +0300
Change: 2021-04-09 17:33:10.587716832 +0300
 Birth: -
shulyak_mikola@vpsj3IeQ lab6]$ stat myosparam.txt
  File: `myosparam.txt'
  Size: 617             Blocks: 8             IO Block: 4096   regular file
Device: fd01h/64769d    Inode: 758869          Links: 1
Access: (0664/-rw-rw-r--)  Uid: (54373/shulyak_mikola)   Gid: (54379/shulyak_mikola)
Access: 2021-04-09 17:35:16.704864338 +0300
Modify: 2021-04-09 17:35:16.704864338 +0300
Change: 2021-04-09 17:35:16.704864338 +0300
 Birth: -
shulyak_mikola@vpsj3IeQ lab6]$
```


```
[shulyak_mikola@vpsj3IeQ lab6]$ ln myosparam.txt hard_link_1
[shulyak_mikola@vpsj3IeQ lab6]$ ln myosparam.txt hard_link_2
[shulyak_mikola@vpsj3IeQ lab6]$ stat hard_link_1
  File: 'hard_link_1'
  Size: 617          Blocks: 8          IO Block: 4096   regular file
Device: fd01h/64769d Inode: 758869      Links: 3
Access: (0664/-rw-rw-r--)  Uid: (54373/shulyak_mikola)   Gid: (54379/shulyak_mikola)
Access: 2021-04-09 17:35:16.704864338 +0300
Modify: 2021-04-09 17:35:16.704864338 +0300
Change: 2021-04-09 17:39:34.104288257 +0300
 Birth: -
[shulyak_mikola@vpsj3IeQ lab6]$ stat hard_link_2
  File: 'hard_link_2'
  Size: 617          Blocks: 8          IO Block: 4096   regular file
Device: fd01h/64769d Inode: 758869      Links: 3
Access: (0664/-rw-rw-r--)  Uid: (54373/shulyak_mikola)   Gid: (54379/shulyak_mikola)
Access: 2021-04-09 17:35:16.704864338 +0300
Modify: 2021-04-09 17:35:16.704864338 +0300
Change: 2021-04-09 17:39:34.104288257 +0300
 Birth: -
[shulyak_mikola@vpsj3IeQ lab6]$ ls -l
total 3280
-rw-rw-r-- 1 shulyak_mikola shulyak_mikola      0 Apr  9 17:36 empty.txt
-rw-rw-r-- 3 shulyak_mikola shulyak_mikola    617 Apr  9 17:35 hard_link_1
-rw-rw-r-- 3 shulyak_mikola shulyak_mikola    617 Apr  9 17:35 hard_link_2
-rw-rw-r-- 1 shulyak_mikola shulyak_mikola    617 Apr  9 17:33 myosparam.sh
-rw-rw-r-- 3 shulyak_mikola shulyak_mikola    617 Apr  9 17:35 myosparam.txt
-rw-rw-r-- 1 shulyak_mikola shulyak_mikola 2606122 Apr  9 17:34 ShulyakMikola.doc
-rw-rw-r-- 1 shulyak_mikola shulyak_mikola 731304 Apr  9 17:34 ShulyakMikola.pdf
[shulyak_mikola@vpsj3IeQ lab6]$
```

 shulyak\_mikola@vpsj3IeQ:~/lab6

```
[shulyak_mikola@vpsj3IeQ lab6]$ ln -s hard_link_1 sym_link_1
[shulyak_mikola@vpsj3IeQ lab6]$ stat sym_link_1
  File: 'sym_link_1' -> 'hard_link_1'
  Size: 11          Blocks: 0          IO Block: 4096   symbolic link
Device: fd01h/64769d Inode: 758871      Links: 1
Access: (0777/lrwxrwxrwx)  Uid: (54373/shulyak_mikola)   Gid: (54379/shulyak_mikola)
Access: 2021-04-09 17:41:37.599370324 +0300
Modify: 2021-04-09 17:41:37.599370324 +0300
Change: 2021-04-09 17:41:37.599370324 +0300
 Birth: -
[shulyak_mikola@vpsj3IeQ lab6]$ ls -l
total 3280
-rw-rw-r-- 1 shulyak_mikola shulyak_mikola      0 Apr  9 17:36 empty.txt
-rw-rw-r-- 3 shulyak_mikola shulyak_mikola    617 Apr  9 17:35 hard_link_1
-rw-rw-r-- 3 shulyak_mikola shulyak_mikola    617 Apr  9 17:35 hard_link_2
-rw-rw-r-- 1 shulyak_mikola shulyak_mikola    617 Apr  9 17:33 myosparam.sh
-rw-rw-r-- 3 shulyak_mikola shulyak_mikola    617 Apr  9 17:35 myosparam.txt
-rw-rw-r-- 1 shulyak_mikola shulyak_mikola 2606122 Apr  9 17:34 ShulyakMikola.doc
-rw-rw-r-- 1 shulyak_mikola shulyak_mikola 731304 Apr  9 17:34 ShulyakMikola.pdf
lrwxrwxrwx 1 shulyak_mikola shulyak_mikola    11 Apr  9 17:41 sym_link_1 -> hard_link_1
[shulyak_mikola@vpsj3IeQ lab6]$
```

```
[shulyak_mikola@vpsj3IeQ lab6]$ chmod u+rx shulyak_mikola
[shulyak_mikola@vpsj3IeQ lab6]$ chmod g+x shulyak_mikola
[shulyak_mikola@vpsj3IeQ lab6]$ chmod o+r shulyak_mikola
```

```
[shulyak_mikola@vpsj3IeQ lab6]$ mkdir dark_c
[shulyak_mikola@vpsj3IeQ lab6]$ chmod -x dark_c/
```

 shulyak\_mikola@vpsj3IeQ:~/lab6

```
[shulyak_mikola@vpsj3IeQ lab6]$ chmod +x dark_c
[shulyak_mikola@vpsj3IeQ lab6]$ cd dark_c
[shulyak_mikola@vpsj3IeQ dark_c]$ touch f1.txt f2.txt f3.txt
[shulyak_mikola@vpsj3IeQ dark_c]$ ls
f1.txt  f2.txt  f3.txt
[shulyak_mikola@vpsj3IeQ dark_c]$ cd ..
[shulyak_mikola@vpsj3IeQ lab6]$ chmod -x dark_c
[shulyak_mikola@vpsj3IeQ lab6]$ ls -l dark_c
ls: cannot access dark_c/f2.txt: Permission denied
ls: cannot access dark_c/f3.txt: Permission denied
ls: cannot access dark_c/f1.txt: Permission denied
total 0
-????????? ? ? ? ?           ? f1.txt
-????????? ? ? ? ?           ? f2.txt
-????????? ? ? ? ?           ? f3.txt
[shulyak_mikola@vpsj3IeQ lab6]$
```

### **Висновок:**

Найважчим у даній роботі виявилось виправлення помилок при написанні команд.