

/*****/

OUTPUT :

File1.txt

shell

File1.txt

A **SHELL** is a special user program which provides an interface to the user to use operating system services. SHELL accept human readable commands from the user and convert them into something which kernel can understand. SHELL is a command language interpreter that execute commands read from input devices such as keyboards or from files. The SHELL gets started when the user logs in or start the terminal.

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OUTPUT:

1 : Add
2 : sub
3 : div
4 : mul
q : quit
choose your choice

1
enter two number
2
5

result=7

1 : Add
2 : sub
3 : div
4 : mul
q : quit
choose your choice

2
enter two number
10
4

result=6

1 : Add
2 : sub
3 : div
4 : mul
q : quit
choose your choice

3
enter two number
7
3

result=21

1 : Add
2 : sub
3 : mul
4 : div
q : quit
choose your choice

enter two number
8
2

result=4.00

1 : Add
2 : sub
3 : mul

4 : div
q : quit
choose your choice

q
/*****/

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OUTPUT:

```
mcA1747@mcA-pc63:/vAr/nfs/.home/mcA2017/mcA1749/Desktop/S4/shell$ ./print.sh
sample
```

```
12
```

```
20
```

to make predictions or decisions without being explicitly programmed to perform the task. Machine learning algorithms are used in a wide variety of applications, such as email filtering, and computer vision, where it is infeasible to develop an algorithm of specific instructions for performing the task. Machine learning is closely related to computational statistics, which focuses on making predictions using computers. The study of mathematical optimization delivers methods, theory and application domains to the field of machine learning. Data mining is a field of study within machine learning, and focuses on exploratory data analysis through unsupervised learning. In its application across business problems, machine learning is also referred to as predictive analytics.

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OUTPUT:

```
mcA1747@mcA-pc63:~/SMK/s4_lAb/SD LAB$ ./file_reverse.sh
File1.txt
File1.txt
```

```
tnetnoc ot piks
stseuqer llup
seussi
ecalptekram
erolpxe
```

```
mcA1747@mcA-pc63:~/SMK/s4_lAb/SD LAB$ ./file_reverse.sh
File1.txt
File2.txt
```

SKIP TO CONTENT
PULL REQUESTS
ISSUES
MARKETPLACE
EXPLORE

/******

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OUTPUT:

mcA1747@mcA-pc63:~/SMK/s4_lAb/SD LAB\$./file_count.sh

line count 4

char Small count 0

char Capital count 22

char numerical count 2

char Special count 1

char Word count 4

alpha count 26

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OUTPUT:

mcA1747@mcA-pc63:~/SMK/s4_lAb/SD LAB\$./student_mArk.sh

Mean = 431

SD = 99.66

A		
B		* * * * *
C		* * * * * * * * * *
D		* * * * * * * *
E		* *
F		* *

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OUTPUT:

mcA1747@mcA-pc63:~/SMK/s4_1Ab/SD LAB\$./room_AllocAtion.sh

Room 1

101 301

102 302

103 303

104 304

105 305

106 306

107 307

108 308

109 309

110 310

111 311

112 312

113 313

114 314

115 315

116 316

117 317

118 318

119 319

120 320

Room 2

321 501

322 502

323 503

324 504

325 505

326 506

327 507

328 508

329 509

330 510

331 511

332 512

333 513

334 514

335 515

336 516

337 517

338 518

339 519

340 520

Room 3

521 121
522 122
523 123
524 124
525 125
526 126
527 127
528 128
529 129
530 130
531 131
532 132
533 133
534 134
535 135
536 136
537 137
538 138
539 139
540 140

Room 4

141 341
142 342
143 343
144 344
145 345
146 346
147 347
148 348
149 349
150 350
151 351
152 352
153 353
154 354
155 355
156 356
157 357
158 358
159 359
160 360

Room 5

361 541
362 542
363 543
364 544
365 545

366 546
367 547
368 548
369 549
370 550
371 551
372 552

=====

Room 6

553 161
554 162
555 163
556 164
557 165
558 166
559 167
560 168
561 169
562 160
563 0
564 0
565 0
566 0
567 0
568 0
569 0
570 0
571 0
572 0
573 0
574 0
575 0
576 0
577 0
578 0

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OUTPUT:

```
McA1747@mcA-  
pc63:/vAr/nfs/.home/mcA2017/mc1749/Desktop/S4/shell/network/network1Ab/tcp$ ./server  
Socket successfully created..  
Socket successfully binded..  
Server listening..  
server accept the client...  
From client: hi  
    To client : hello  
From client: how are you  
    To client : fine  
From client: exit  
    To client : exit  
Server Exit...
```

```
mcA1747@mcA-  
pc63:/vAr/nfs/.home/mcA2017/mcA1749/Desktop/S4/shell/network/network1Ab/tcp$ ./client  
Socket successfully created..  
connected to the server..  
Enter the string : hi  
From Server : hello  
Enter the string : how are you  
From Server : fine  
Enter the string : exit  
From Server : exit  
Client Exit...
```

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OUTPUT:

mcA1747@mcAc63:/vAr/nfs/.home/mcA2017/Desktop/S4/shell/netrk/nrklAb/udp\$./server
Client : Hello from client
Hello message sent.

mcA1747@mcA-
pc63:/vAr/nfs/.home/mcA2017/mcA1749/Desktop/S4/shell/network/netwrklAb/udp\$./client
Hello message sent.
Server : Hello from server

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/*****/

OUTPUT:

```
mcA1747@mcA-  
pc63:/vAr/nfs/.home/mcA2017/mcA1749/Desktop/S4/shell/network/network1Ab/sliding  
window$ ./server  
enter frame size : 3  
Enter the text :  
hiIamanu  
Transmitting Frames. 012  
Transmission is successful.  
Transmitting Frames. 345  
Received error in 4
```

```
Retransmitting Frame. Transmitting Frames. 456  
Transmission is successful.  
Transmitting Frames. 7  
Transmission is successful.  
Exiting
```

```
mcA1747@mcA-  
pc63:/vAr/nfs/.home/mcA2017/mcA1749/Desktop/S4/shell/network/network1Ab/sliding  
window$ ./client
```

Received : hiI012

1.Do u want to report An error(1-Yes 0-No)0

Received : ama345

1.Do u want to report An error(1-Yes 0-No)1

Enter the sequence no of the frame where error has occurred

4

Received : man456

1.Do u want to report an error(1-Yes 0-No)0

Received : u7

1.Do u want to report an error(1-Yes 0-No)0

Exiting

/*****/

/******
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OUTPUT:

```
mcA1747@mcA-  
pc63:/vAr/nfs/.home/mcA2017/mcA1749/Desktop/S4/shell/network/networklAb/stop &  
wait$ ./server
```

```
Server Running .....  
Enter the port number : 2255
```

```
Waiting for connection  
Connected Successfully
```

```
The packet Number is : 23  
The data is :hi  
The Expected Packet now is: 24
```

```
The packet Number is : 24  
The data is :hello  
The Expected Packet now is: 25
```

```
The Expected Packet now is: 25
```

```
The packet Number is : 25  
The data is :hey  
The Expected Packet now is: 26
```

```
The Expected Packet now is: 26
```

```
Finished
```

```
mcA1747@mcA-  
pc63:/vAr/nfs/.home/mcA2017/mcA1749/Desktop/S4/shell/network/networklAb/stop &  
wait$ ./client
```

```
Client Running .....  
Enter the port number2255
```

```
Enter packet number 23
```

```
Enter data hi
```

```
send nextdata 24  
Enter packet number 24
```

```
Enter data hello
```

send nextdata 25
Enter packet number 28

Enter data ssss

packet missing 25
Enter packet number 25

Enter data hey

send nextdata 26
Enter packet number exit

Enter data
packet missing 26
Enter packet number end

/*****/