

Assignment No 2

1. Write some commands to show the use with disk related task with example in command prompt.

Ans:-

A. df - Use to find the free space on disk

```
DELL@DESKTOP-5EAOM75 ~  
$ df  
Filesystem      1K-blocks      Used Available Use% Mounted on  
C:/cygwin64    460588028 111313500 349274528  25% /  
E:             248762364 117698312 131064052  48% /cygdrive/e  
F:             248761340 10396272 238365068   5% /cygdrive/f
```

B. du - Use to find how much kilo bites the particular file take on disk

```
DELL@DESKTOP-5EAOM75 ~  
$ du  
41 .  
  
DELL@DESKTOP-5EAOM75 ~  
$ du  
41 .  
  
DELL@DESKTOP-5EAOM75 ~
```

2. Write an example shell program to show the use of Special Variables, if else and Nested if else.

Ans:-

A. Special Variables

Code:

echo \$#

echo "Zeroth Argument "\$0

echo "First Argument "\$1

echo "Second Argument "\$2

echo "Third Argument "\$3

Output:

```
DELL@DESKTOP-5EAOM75 ~  
$ ./special.sh hello  
1  
./special.sh: line 2: $'\r': command not found  
Zeroth Argument ./special.sh  
First Argument hello  
Second Argument  
Third Argument  
  
DELL@DESKTOP-5EAOM75 ~  
$ ./special.sh hello iam  
2  
./special.sh: line 2: $'\r': command not found  
Zeroth Argument ./special.sh  
First Argument hello  
Second Argument iam  
Third Argument  
  
DELL@DESKTOP-5EAOM75 ~  
$ ./special.sh hello iam coder  
3  
./special.sh: line 2: $'\r': command not found  
Zeroth Argument ./special.sh  
First Argument hello  
Second Argument iam  
Third Argument coder
```

B. If els

```
DELL@DESKTOP-5EAOM75 ~  
$ (  
> echo "Enter a number"  
> read num  
> if test $num -gt 0  
> then  
> echo "Number is Positive"  
> else  
> echo "Number is Negative"  
> fi  
> )  
Enter a number  
-2  
Number is Negative
```

C. Nested if else:

```
DELL@DESKTOP-5EAOM75 ~  
$ (  
> echo "Enter value for A"  
> read a  
> echo "Enter value for B"  
> read b  
>  
> if test $a -eq $b  
> then  
> echo "Both are same"  
> elif test $a -gt $b  
> then  
> echo "A is big number"  
> else  
> echo "B is big number"  
> fi  
> )  
Enter value for A  
15  
Enter value for B  
20  
B is big number
```