

# INDEX

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# INDEX

[illegible]



Aim:

write a shell script which uses all the file test operators  
code:

```
echo "Enter the filename:"
```

```
read fn
```

```
if [-r $fn]
```

```
then
```

```
echo "$fn has read access"
```

```
else
```

```
echo "$fn does not have read access"
```

```
fi
```

```
if [-w $fn]
```

```
then
```

```
echo "$fn has write permission"
```

```
else
```

```
echo "$fn does not have write permission"
```

```
fi
```

```
if [-x $fn]
```

```
then
```

```
echo "$fn has execute permission"
```

```
else
```

```
echo "$fn does not have execute permission".
```

```
fi
```

```
if [-f $fn]
```

```
then
```

```
echo "$fn is an ordinary file"
```

```
fi
```

```
if [-d $fn]
```

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```
then
echo "$fn is an directory!"
else
echo "$fn is not a directory!"
fi
if [-s $fn]
then
echo "$fn size is zero"
else
echo "$fn size is not zero"
fi
if [-e $fn]
then
echo "$fn exists"
else
echo "$fn does not exist."
fi
```

output

```
chmod +x test.sh
```

```
./test.sh
```

Enter the file name

test

test has read access

test has write permission

test does not has execute permission

test is an ordinary file

test is not an directory!

Teacher's Signature : .....



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test size in zero

test exists

Teacher's Signature : .....

Aim:

write a shell script to find number of vowels, consonants, numbers in a given string.

Code:

```
read -p "Enter any string: " string
length='echo $string | wc -c'
nv=0
nc=0
nd=0
while [ $length -gt 1 ]
do
length='expr $length - 1'
n='echo $string | cut -c $length'
case $n in
([AEIOUaeiou]))
nv='expr $nv + 1';;
([QWRTYPSDFHGBJKLZXCVBNMQWERTYPSDFHGBJKLZXCVBNM])
nc='expr $nc + 1';;
([0-9]))
nd='expr $nd + 1';;
esac
done
echo "no of vowels: $nv"
echo "no of consonants: $nc"
echo "no of digits: $nd"
```

Teacher's Signature : .....



### Output

chmod +x vowel.sh

•/vowel.sh

Enter any string : hello123

no of vowels : 2

no of consonants : 3

no of digits : 3

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Aim:

write a shell script to perform operations like display, list, make directory and copy, rename, delete.

code:

```
echo "current directory:"  
pwd  
echo "directory contents:"  
ls  
echo "Enter name of new directory:"  
read dirname  
mkdir $dirname  
echo "Enter name of file to copy:"  
read file  
echo "Enter new name for copied file:"  
read newFile  
cp $file $newFile  
echo "Enter name of file to rename:"  
read file  
echo "Enter new name for file:"  
read newname  
mv $file $newname  
echo "Enter name of file to delete:"  
read file  
rm $file
```

Teacher's Signature : .....



Output

```
chmod +x copy.sh  
./copy.sh
```

current directory :

/home/es15/Desktop/bca

directory contents :

```
1 2 copy.sh vowels.sh
```

Enter name of new directory :

geus

Enter name of file to copy :

1

Enter new name for copied file :

11

Enter name of file to rename :

copy.sh

Enter new name for file :

operation.sh

Enter name of file to delete :

2

ls

```
1 11 geus operation.sh vowels.sh
```



Aim:

write a shell script to compare two files and remove one of them if they are same code:

```
file1=$1
```

```
file2=$2
```

```
if cmp -s "$file1" "$file2";
```

```
then
```

```
echo "remove $file2 as it is identical to $file1"
```

```
else
```

```
echo "files are different, nothing to remove"
```

```
fi
```

output

```
chmod +x compare.sh
```

```
./compare.sh first second
```

files are different, nothing to remove

First

I am from Dubai

Second

Going to malabar

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