```
4ITA2@debian:~/Debrato_240911734/Lab3$ date
Thursday 22 January 2026 02:37:20 PM IST
4ITA2@debian:~/Debrato_240911734/Lab3$ nano hello.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ bash hello.sh
Hello, World
enter 2 numbers
2 3
 you entered a as 2 and b as 3
c is 5
4ITA2@debian:~/Debrato_240911734/Lab3$ echo "1. Write a shell scrip
t to find whether a given file is the directory or regular file."
1. Write a shell script to find whether a given file is the directo
ry or regular file.
4ITA2@debian:~/Debrato_240911734/Lab3$ sublime q1.sh
bash: sublime: command not found
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q1.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ bash q1.sh
1. Write a shell script to find whether a given file is the directo
ry or regular file.
enter file or directory name
q1.sh
q1.sh is a file
4ITA2@debian:~/Debrato_240911734/Lab3$ bash q1.sh
1. Write a shell script to find whether a given file is the directo
ry or regular file.
enter file or directory name
q2.sh
q2.sh  does not exist
4ITA2@debian:~/Debrato_240911734/Lab3$ bash q1.sh
1. Write a shell script to find whether a given file is the directo
ry or regular file.
enter file or directory name
Lab2
Lab2  does not exist
4ITA2@debian:~/Debrato_240911734/Lab3$ mkdir q1
4ITA2@debian:~/Debrato_240911734/Lab3$ bash q1.sh
1. Write a shell script to find whether a given file is the directo
ry or regular file.
enter file or directory name
q1
q1 is a directory
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q1.txt
4ITA2@debian:~/Debrato_240911734/Lab3$
```

```
Thursday 22 January 2026 03:18:02 PM IST
4ITA2@debian:~/Debrato_240911734/Lab3$ echo "2. Write a shell scrip
t to list all files (only file names) containing the input pattern
(string) in the folder entered by the user."
2. Write a shell script to list all files (only file names) contain
ing the input pattern
(string) in the folder entered by the user.
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q2.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ bash q2.sh
2. Write a shell script to list all files (only file names) contain
ing the input pattern
(string) in the folder entered by the user.
enter file or directory name
/home/4ITA2/Debrato_240911734/Lab3
enter pattern(string)
q
q1
q1.sh
q1.txt
q2.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ bash q2.sh
2. Write a shell script to list all files (only file names) contain
ing the input pattern
(string) in the folder entered by the user.
enter file or directory name
^[[A^[[A^[[A^[[A^[[B^[[B^[[B^[[B^[[B^[[B^[[B^[[B^[[B^[[B^[[B^[[
^[[A
enter pattern(string)
2
directory doesnt exist
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q2.txt
4ITA2@debian:~/Debrato_240911734/Lab3$ date
Thursday 22 January 2026 03:36:04 PM IST
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```
ITA2@debian:~/Debrato_240911734/Lab3$ date
hursday 22 January 2026 03:36:04 PM IST
ITA2@debian:~/Debrato_240911734/Lab3$ echo "Write a shell script t
 replace all files with .txt extension with .text in the current d
-
ectory. This has to be done recursively i.e if the current folder
ontains a folder
OS" with abc.txt then it has to be changed to abc.text ( Hint: use
find, mv )"
rite a shell script to replace all files with .txt extension with
text in the current di-
ectory. This has to be done recursively i.e if the current folder
ontains a folder
OS" with abc.txt then it has to be changed to abc.text ( Hint: use
find, mv )
ITA2@debian:~/Debrato_240911734/Lab3$ nano q3.sh
ITA2@debian:~/Debrato_240911734/Lab3$ mkdir q3_test
ITA2@debian:~/Debrato_240911734/Lab3$ touch q3_test/1.txt q3_test/
.xt q3_test/3.txt
ITA2@debian:~/Debrato_240911734/Lab3$ bash q3.sh
rite a shell script to replace all files with .txt extension with
text in the current di-
ectory. This has to be done recursively i.e if the current folder
ontains a folder
OS" with abc.txt then it has to be changed to abc.text ( Hint: use
find, mv )
nter file or directory name
3
s: cannot access 'q3': No such file or directory
irectory does not exist
ITA2@debian:~/Debrato_240911734/Lab3$ bash q3.sh
rite a shell script to replace all files with .txt extension with
text in the current di-
ectory. This has to be done recursively i.e if the current folder
ontains a folder
OS" with abc.txt then it has to be changed to abc.text ( Hint: use
find, mv )
nter file or directory name
3_test
.txt  2.xt  3.txt
.text  2.xt  3.text
ITA2@debian:~/Debrato_240911734/Lab3$ nano q3.txt
ITA2@debian:~/Debrato_240911734/Lab3$
```

```
4ITA2@debian:~/Debrato_240911734/Lab3$ date
Thursday 22 January 2026 03:53:36 PM IST
4ITA2@debian:~/Debrato_240911734/Lab3$ echo "Write a shell script t
o calculate the gross salary. GS=Basics + TA + 10% of Basics.
Floating point calculations has to be performed."
Write a shell script to calculate the gross salary. GS=Basics + TA
+ 10% of Basics.
Floating point calculations has to be performed.
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q4.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q4.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ bash q4.sh
Write a shell script to calculate the gross salary. GS=Basics + TA
+ 10% of Basics.
Floating point calculations has to be performed.
 enter Basics and TA
100 10
Gross Salary = 101.00
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q4.txt
4ITA2@debian:~/Debrato_240911734/Lab3$ date
```

```
4ITA2@debian:~/Debrato_240911734/Lab3$ echo "5. Write a program to copy all the files (having file extension input by the user) in the
current folder to the new folder input by the user. ex: user enter .text TEXT then all
files with .text should be moved to TEXT folder. This should be done only at single
level. i.e if the current folder contains a folder name ABC which has .txt files then
these files should not be copied to TEXT."
5. Write a program to copy all the files (having file extension input by the user) in the
current folder to the new folder input by the user. ex: user enter .text TEXT then all
files with .text should be moved to TEXT folder. This should be done only at single
level. i.e if the current folder contains a folder name ABC which has .txt files then
these files should not be copied to TEXT.
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q5.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q5.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ mkdir test_folder; ls; touch a.text b.text c.txt d.c; ls

hello.sh  q1.sh   q2.sh   q3.sh    q4.png  q5.sh
q1        q1.txt  q2.txt  q3_test  q4.sh   test_folder
q1.png    q2.png  q3.png  q3.txt   q4.txt
a.text  d.c       q1.png  q2.png  q3.png   q3.txt  q4.txt
b.text  hello.sh  q1.sh   q2.sh   q3.sh    q4.png  q5.sh
c.txt   q1        q1.txt  q2.txt  q3_test  q4.sh   test_folder
4ITA2@debian:~/Debrato_240911734/Lab3$ mv test_folder/ q5_test/
4ITA2@debian:~/Debrato_240911734/Lab3$ ls
a.text  d.c       q1.png  q2.png  q3.png   q3.txt  q4.txt
b.text  hello.sh  q1.sh   q2.sh   q3.sh    q4.png  q5.sh
c.txt   q1        q1.txt  q2.txt  q3_test  q4.sh   q5_test
4ITA2@debian:~/Debrato_240911734/Lab3$ cd q5 test
bash: cd: too many arguments
4ITA2@debian:~/Debrato_240911734/Lab3$ cd q5_test
4ITA2@debian:~/Debrato_240911734/Lab3/q5_test$ ls
4ITA2@debian:~/Debrato_240911734/Lab3/q5_test$ ls
a.text  b.text  c.txt  d.c
4ITA2@debian:~/Debrato_240911734/Lab3/q5_test$ bash q5.sh
bash: q5.sh: No such file or directory
4ITA2@debian:~/Debrato_240911734/Lab3/q5_test$ bash ../q5.sh
5. Write a program to copy all the files (having file extension input by the user) in the
current folder to the new folder input by the user. ex: user enter .text TEXT then all
files with .text should be moved to TEXT folder. This should be done only at single
level. i.e if the current folder contains a folder name ABC which has .txt files then
these files should not be copied to TEXT.
enter extension
txt
enter new dir
new
done
4ITA2@debian:~/Debrato_240911734/Lab3/q5_test$ ls
a.text  b.text  c.txt  d.c  new
4ITA2@debian:~/Debrato_240911734/Lab3/q5_test$ ls new/
c.txt
4ITA2@debian:~/Debrato_240911734/Lab3/q5_test$ cd ..
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q5.txt
4ITA2@debian:~/Debrato_240911734/Lab3$
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4ITA2@debian:~/Debrato_240911734/Lab3$ date
Thursday 22 January 2026 04:19:11 PM IST
4ITA2@debian:~/Debrato_240911734/Lab3$ echo "echo "Write a shell script to modify all
occurrences of "ex:" with "Example:" in all the filespresent
31LAB NO: 3
in current folder only if "ex:" occurs at the start of the line or after a period (.).
 Example:
if a file contains a line: "ex: this is first occurrence so should be re- placed" and
"second
ex: should not be replaced as it occurs in the middle of the sen-tence.""
echo Write a shell script to modify all occurrences of "ex:" with "Example:" in all th
e filespresent
bash: 31LAB: command not found
bash: syntax error near unexpected token `in'
> ^C
4ITA2@debian:~/Debrato_240911734/Lab3$ echo "Write a shell script to modify all occurr
ences of \"ex:\" with \"Example:\"
in all the files present in the current folder only if \"ex:\" occurs
at the start of the line or after a period (.)."
Write a shell script to modify all occurrences of "ex:" with "Example:"
in all the files present in the current folder only if "ex:" occurs
at the start of the line or after a period (.).
4ITA2@debian:~/Debrato_240911734/Lab3$ date
Thursday 22 January 2026 04:20:42 PM IST
4ITA2@debian:~/Debrato_240911734/Lab3$ echo "Write a shell script to modify all occurr
ences of \"ex:\" with \"Example:\"
in all the files present in the current folder only if \"ex:\" occurs
at the start of the line or after a period (.)."
Write a shell script to modify all occurrences of "ex:" with "Example:"
in all the files present in the current folder only if "ex:" occurs
at the start of the line or after a period (.).
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q6.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q6_test.txt
4ITA2@debian:~/Debrato_240911734/Lab3$ cat q6_test.txt
ex: this is first occurrence so should be replaced
second ex: should not be replaced as it occurs in the middle of the sentence.
This is a test.ex: this should be replaced
4ITA2@debian:~/Debrato_240911734/Lab3$ bash q6.sh
Write a shell script to modify all occurrences of "ex:" with "Example:"
in all the files present in the current folder only if "ex:" occurs
at the start of the line or after a period (.).
modified
4ITA2@debian:~/Debrato_240911734/Lab3$ cat q6_test.txt
Example: this is first occurrence so should be replaced
second ex: should not be replaced as it occurs in the middle of the sentence.
This is a test.Example: this should be replaced
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q6.txt
```

```
4ITA2@debian:~/Debrato_240911734/Lab3$ date
Thursday 22 January 2026 04:25:36 PM IST
4ITA2@debian:~/Debrato_240911734/Lab3$ echo "6. Write a shell script which deletes all
 the even numbered lines in a text file."
6. Write a shell script which deletes all the even numbered lines in a text file.
4ITA2@debian:~/Debrato_240911734/Lab3$ nano q7.sh
4ITA2@debian:~/Debrato_240911734/Lab3$ nano test7.txt
4ITA2@debian:~/Debrato_240911734/Lab3$ cat test7.txt
Line 1
Line 2
Line 3
Line 4
Line 5
Line 6

4ITA2@debian:~/Debrato_240911734/Lab3$ bash q7.sh
6. Write a shell script which deletes all the even numbered lines in a text.

enter file name:
test7.txt
Even numbered lines deleted
4ITA2@debian:~/Debrato_240911734/Lab3$ cat test7.txt
Line 1
Line 3
Line 5

4ITA2@debian:~/Debrato_240911734/Lab3$ nano q7.txt
```