Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 4.4.0-19041-Microsoft x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

This message is shown once a day. To disable it please create the

/root/.hushlogin file.

root@DESKTOP-AEI1D7F:~# cd /home

root@DESKTOP-AEI1D7F:/home# ls

LinuxAssignment family file2.txt mydir os test.sh

daughter familytree grandfather n1 practicebin text.txt

delete file.txt java n2 script.sh tree

directory file1.txt kuru ok son1

docs file12.txt link-link ok-link son2

root@DESKTOP-AEI1D7F:/home# cd os

root@DESKTOP-AEI1D7F:/home/os# ls

test1.sh

root@DESKTOP-AEI1D7F:/home/os# cd ..

root@DESKTOP-AEI1D7F:/home# mkdir Assignment2

root@DESKTOP-AEI1D7F:/home# cd Assignment2

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test.sh

Hell, World!

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test.sh

#!/bin/sh

echo "Hell, World!"

root@DESKTOP-AEI1D7F:/home/Assignment2# ---------------------------------

----------------------------------------------------------------------------------------------------------: command not found

root@DESKTOP-AEI1D7F:/home/Assignment2# -------------------------------------------------------------------------^C

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test1.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test1.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test.sh

Hell, World!

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test1.sh

#!/bin/sh

name=CDAC Mumbai

read name

echo $name

root@DESKTOP-AEI1D7F:/home/Assignment2# ------------------------------------------------------------------------------------------------------------------^C

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test2.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test2.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test2.sh

10

10

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test2.sh

a

a

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test2.sh

#!/bin/sh

read no

echo $no

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test2.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test2.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test2.sh

a

a

a

./test2.sh: 4: read: 1: bad variable name

./test2.sh: 5: read: arg count

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test2.sh

a

a

10

./test2.sh: 4: read: 1: bad variable name

./test2.sh: 5: read: arg count

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test2.sh

10

10

10

./test2.sh: 4: read: 1: bad variable name

./test2.sh: 5: read: arg count

root@DESKTOP-AEI1D7F:/home/Assignment2# ==================================================================================================================^C

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

5

3

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

5

3

./test3.sh: 5: a+b: not found

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

5

3

sum: '=': No such file or directory

sum: a+b: No such file or directory

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

sum: '=': No such file or directory

sum: 'expr $a + $b': No such file or directory

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test3.sh

#!/bin/sh

a=5

b=3

sum = 'expr $a + $b'

echo $sum

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

sum: '=': No such file or directory

sum: 'expr $a + $b': No such file or directory

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test3.sh

#!/bin/sh

a=5

b=3

sum = 'expr $a + $b'

echo $sum

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

./test3.sh: 4: expr $a + $b: not found

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

./test3.sh: 4: Syntax error: "(" unexpected

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test3.sh

8

root@DESKTOP-AEI1D7F:/home/Assignment2# ----------------------------------------------------------------------------------------------------------------^C

root@DESKTOP-AEI1D7F:/home/Assignment2#

root@DESKTOP-AEI1D7F:~# ls -l

total 0

drwxr-xr-x 1 root root 4096 Mar 6 19:07 Bhavesh

drwxr-xr-x 1 root root 4096 Mar 6 19:28 father

drwxr-xr-x 1 root root 4096 Mar 6 19:47 grandfather

drwxr-xr-x 1 root root 4096 Mar 6 19:28 son1

drwxr-xr-x 1 root root 4096 Mar 6 19:28 son2

root@DESKTOP-AEI1D7F:~# pwd

/root

root@DESKTOP-AEI1D7F:~# cd /home

root@DESKTOP-AEI1D7F:/home# ls

Assignment2 family grandfather n2 son1

LinuxAssignment familytree java ok son2

daughter file.txt kuru ok-link test.sh

delete file1.txt link-link os text.txt

directory file12.txt mydir practicebin tree

docs file2.txt n1 script.sh

root@DESKTOP-AEI1D7F:/home# cd Assignment2

root@DESKTOP-AEI1D7F:/home/Assignment2# ls

test.sh test1.sh test2.sh test3.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test4.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test.4sh

chmod: cannot access 'test.4sh': No such file or directory

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test4.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test4.sh

8

./test4.sh: 7: Syntax error: "then" unexpected

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test4.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test4.sh

8

./test4.sh: 3: Syntax error: "(" unexpected (expecting ")")

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test4.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test4.sh

8

./test4.sh: 3: Syntax error: "(" unexpected (expecting ")")

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test4.sh

#!/bin/sh

read a

if [[(($a%2==0))]];

then

echo "Even"

else

echo "Odd"

fi

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test4.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test4.sh

8

./test4.sh: 3: Syntax error: word unexpected (expecting ")")

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test4.sh

#!/bin/sh

read a

if [[ ($a%2 -eq 0) ]];

then

echo "Even"

else

echo "Odd"

fi

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test4.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test4.sh

8

./test4.sh: 3: a%2: not found

./test4.sh: 3: [[: not found

Odd

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test4.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test4.sh

8

./test4.sh: 3: Syntax error: "(" unexpected (expecting ")")

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test4.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test4.sh

6

Even

root@DESKTOP-AEI1D7F:/home/Assignment2# =================================================================================================^C

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test4.sh

5

Odd

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test4.sh

#!/bin/sh

read a

if [ $((a % 2)) -eq 0 ];

then

echo "Even"

else

echo "Odd"

fi

root@DESKTOP-AEI1D7F:/home/Assignment2# ===================================================================================================^C

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test5.sh

./test5.sh: 3: Syntax error: Bad for loop variable

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test5.sh

./test5.sh: 3: Syntax error: Bad for loop variable

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test5.sh

./test5.sh: 3: Syntax error: Bad for loop variable

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test5.sh

#!/bin/sh

for [(i=1;i<=5;i++)];

do

echo $i

done

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test5.sh

-bash: ./test5.sh: /bash/sh: bad interpreter: No such file or directory

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test5.sh

./test5.sh: line 3: syntax error near unexpected token `('

./test5.sh: line 3: `for (i=1;i<=5;i++);'

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test5.sh

./test5.sh: line 3: syntax error near unexpected token `('

./test5.sh: line 3: `for [(i=1;i<=5;i++)];'

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test5.sh

#!/bin/bash

for [(i=1;i<=5;i++)];

do

echo $i

done

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test5.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test5.sh

0

1

2

3

4

5

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test5.sh

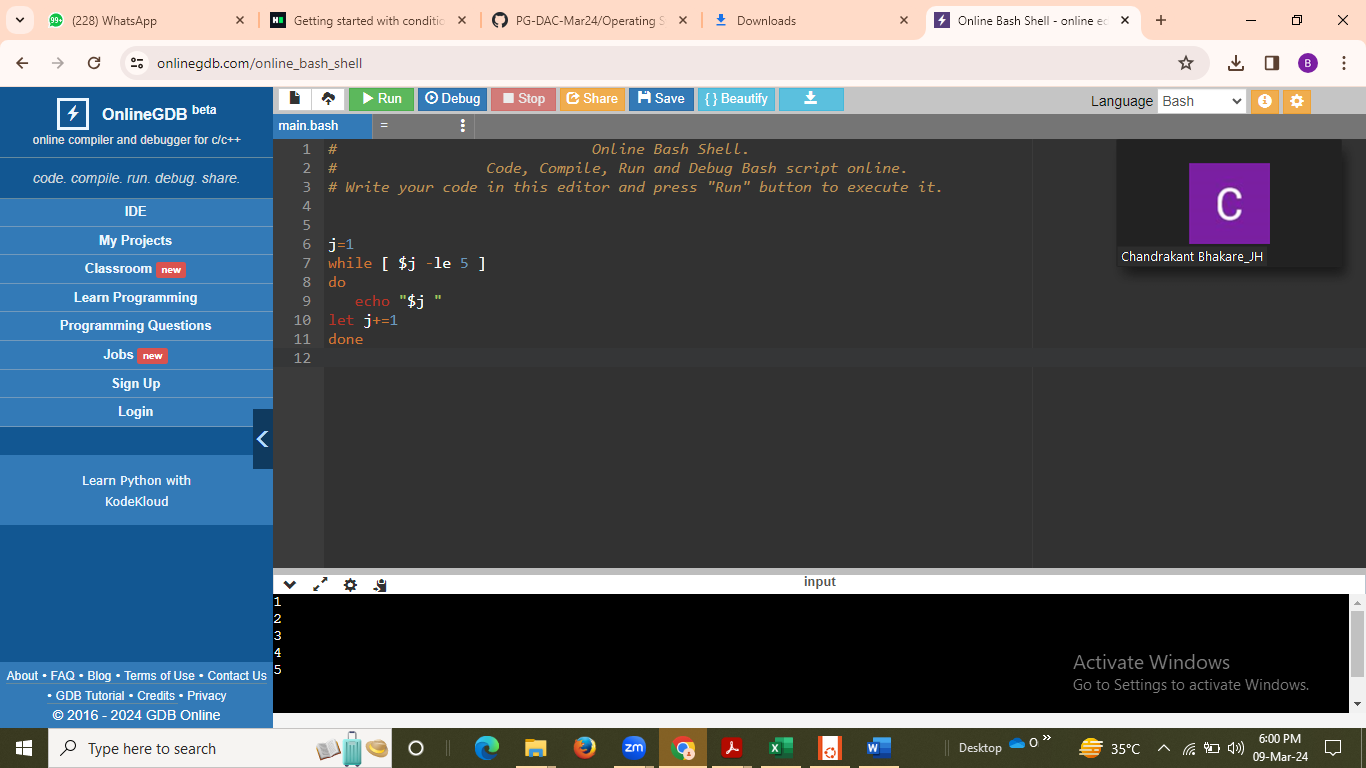
#!/bin/bash

for i in {0..5}

do

echo $i

done



root@DESKTOP-AEI1D7F:~# cd /home

root@DESKTOP-AEI1D7F:/home# cd Assignment2

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test7.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test7.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test7.sh

File does not exists

root@DESKTOP-AEI1D7F:/home/Assignment2# ls

test.sh test1.sh test2.sh test3.sh test4.sh test5.sh test6.sh test7.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test7.sh

#!/bin/bash

if [ -e "file.txt" ];

then

echo "File exists"

else

echo "File does not exists"

fi

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test9.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test9.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test9.sh

1

greater than 10

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test9.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test9.sh

1

greater than 10

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test9.sh

88

greater than 10

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test9.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test9.sh

8

less than 10

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test9.sh

18

greater than 10

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test9.sh

#!/bin/bash

read a

if [ $a -gt 10 ]; then

echo "greater than 10"

else

echo "less than 10"

fi

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test10.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test10.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test10.sh

./test10.sh: line 6: unexpected EOF while looking for matching `)'

./test10.sh: line 12: syntax error: unexpected end of file

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test10.sh

#!/bin/bash

for i in {1..5}; do

for j in {1..5}; do

result= $((i\*j);

echo $result

done

echo " "

done

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test10.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test10.sh

1

2

3

4

5

2

4

6

8

10

3

6

9

12

15

4

8

12

16

20

5

10

15

20

25

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test10.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test10.sh

1

2

3

4

5

2

4

6

8

10

3

6

9

12

15

4

8

12

16

20

5

10

15

20

25

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test10.sh

#!/bin/bash

for i in {1..5}; do

for j in {1..5}; do

result=$((i\*j));

echo $result

done

echo ""

done

root@DESKTOP-AEI1D7F:/home/Assignment2# ======================================================================================================================^C

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test11.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test11.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test11.sh

2

./test11.sh: line 6: [: -ls: binary operator expected

2 square is 4

8

./test11.sh: line 6: [: -ls: binary operator expected

8 square is 64

^C

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test11.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test11.sh

8

./test11.sh: line 6: [: -ls: binary operator expected

8 square is 64

^C

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test11.sh

#!/bin/bash

while :

do

read a

if [ $a -ls 0 ]; then

break;

fi

sq=$((a\*a));

echo "$a square is $sq"

done

root@DESKTOP-AEI1D7F:/home/Assignment2# vi text11.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# vi test11.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# chmod +x test11.sh

root@DESKTOP-AEI1D7F:/home/Assignment2# ./test11.sh

8

8 square is 64

cat test11.sh

./test11.sh: line 6: [: too many arguments

./test11.sh: line 9: cat test11.sh: syntax error: invalid arithmetic operator (error token is ".sh")

root@DESKTOP-AEI1D7F:/home/Assignment2# cat test11.sh

#!/bin/bash

while :

do

read a

if [ $a -le 0 ]; then

breaki

fi

sq=$((a\*a));

echo "$a square is $sq"

done

root@DESKTOP-AEI1D7F:/home/Assignment2#