

# **Linux and shell scripting exercises**

## **Greetings shell script**

1. Create greeting.sh file
2. change the executable permissions
3. write the script to print greetings based on the time
4. run the file

1. Create a new greeting2.sh file
2. Change the executable permissions
3. Write the script to print greetings based on the time using greet variable
4. Run the script



```
huthin@4f7e8c7e4ccb5e3: ~  
huthin@4f7e8c7e4ccb5e3:~$ vi greeting.sh  
huthin@4f7e8c7e4ccb5e3:~$ chmod +x greeting.sh  
huthin@4f7e8c7e4ccb5e3:~$ ./greeting.sh  
./greeting.sh: 3: [: date: unexpected operator  
./greeting.sh: 6: [: date: unexpected operator  
./greeting.sh: 9: [: date: unexpected operator  
good evening  
huthin@4f7e8c7e4ccb5e3:~$ vi greeting.sh  
huthin@4f7e8c7e4ccb5e3:~$ ./greeting.sh  
good morning world  
huthin@4f7e8c7e4ccb5e3:~$ vi greeting2.sh  
huthin@4f7e8c7e4ccb5e3:~$ chmod greeting2.sh  
chmod: missing operand after 'greeting2.sh'  
Try 'chmod --help' for more information.  
huthin@4f7e8c7e4ccb5e3:~$ chmod +x greeting2.sh  
huthin@4f7e8c7e4ccb5e3:~$ ./greeting2.sh  
date: extra operand '%H'  
Try 'date --help' for more information.  
./greeting2.sh: 3: [: -lt: unexpected operator  
./greeting2.sh: 6: [: -le: unexpected operator  
./greeting2.sh: 9: [: -le: unexpected operator  
./greeting2.sh: 13: greet: not found  
huthin@4f7e8c7e4ccb5e3:~$ vi greeting2.sh  
huthin@4f7e8c7e4ccb5e3:~$ ./greeting2.sh  
date: extra operand '%H'  
Try 'date --help' for more information.  
./greeting2.sh: 3: [: -lt: unexpected operator  
./greeting2.sh: 6: [: -le: unexpected operator  
./greeting2.sh: 9: [: -le: unexpected operator  
./greeting2.sh: 13: greet: not found  
huthin@4f7e8c7e4ccb5e3:~$ nano greeting2.sh  
huthin@4f7e8c7e4ccb5e3:~$ ./greeting2.sh  
./greeting2.sh: 5: greet: not found  
huthin@4f7e8c7e4ccb5e3:~$ nano greeting2.sh  
huthin@4f7e8c7e4ccb5e3:~$ ./greeting2.sh  
good morning  
huthin@4f7e8c7e4ccb5e3:~$
```

```
GNU nano 7.2 greeting2.sh  
#!/bin/sh  
h=$(date +%H)  
if [ $h -lt 12 ]  
then  
greet="good morning"  
elif [ $h -le 16 ]  
then  
greet="good afternoon"  
elif [ $h -le 20 ]  
then  
greet="good evening"  
else  
greet="good nighth"  
fi  
echo "$greet"
```

```
huthin@4f7e8c7e4ccb5e3: ~  
GNU nano 7.2 greeting.sh  
#!/bin/sh  
hour=$(date +%H)  
if [ $hour -lt 12 ] #if hour is less than 12  
then  
    echo "good morning world"  
elif [ $hour -le 16 ] # if hour is less than or equal to 16  
then  
    echo "good afternoon world"  
elif [ $hour -le 20 ] # if hour less than or equal to 20  
then  
    echo "good evening world"  
else  
    echo "good evening"  
fi
```

Read 14 lines

Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket  
Exit Read File Replace Paste Justify Go To Line Redo Copy Where Was

Type here to search

ENG 14:36  
US 22-01-2025