

Examen pràctic

1-

```
root@vps-63c288f3:/var/www/html/examen# ls
bd.sql  config.php  functions.php  index.php
root@vps-63c288f3:/var/www/html/examen#
```

2-

a)

```
root@vps-63c288f3:/var/www/html/examen# add
add-shell      addgnupghome  addgroup      addpart      adduser
root@vps-63c288f3:/var/www/html/examen# addgroup web_examen
Adding group `web_examen' (GID 1002) ...
Done.
root@vps-63c288f3:/var/www/html/examen#
```

b)

```
root@vps-63c288f3:/var/www/html/examen# adduser web
Adding user `web' ...
Adding new group `web' (1003) ...
Adding new user `web' (1003) with group `web (1003)' ...
Creating home directory `/home/web' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
No password has been supplied.
New password:
Retype new password:
No password has been supplied.
New password:
Retype new password:
No password has been supplied.
passwd: Authentication token manipulation error
passwd: password unchanged
Try again? [y/N] n
Changing the user information for web
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
Adding new user `web' to supplemental / extra groups `users' ...
Adding user `web' to group `users' ...
root@vps-63c288f3:/var/www/html/examen#
```

c)

```
root@vps-63c288f3:/var/www/html/examen# adduser keita58 web_examen
Adding user `keita58' to group `web_examen' ...
Done.
root@vps-63c288f3:/var/www/html/examen# adduser web web_examen
Adding user `web' to group `web_examen' ...
Done.
root@vps-63c288f3:/var/www/html/examen# adduser www-data web_examen
Adding user `www-data' to group `web_examen' ...
Done.
root@vps-63c288f3:/var/www/html/examen#
```

d)

```
root@vps-63c288f3:/var/www/html/examen# chgrp web_examen bd.sql
root@vps-63c288f3:/var/www/html/examen# ls -l
total 16
-rw-r--r-- 1 root web_examen 398 Apr  3 17:08 bd.sql
-rw-r--r-- 1 root root      125 Apr  3 17:08 config.php
-rw-r--r-- 1 root root      904 Apr  3 17:08 functions.php
-rw-r--r-- 1 root root      292 Apr  3 17:08 index.php
root@vps-63c288f3:/var/www/html/examen# chgrp web_examen config.php
root@vps-63c288f3:/var/www/html/examen# chgrp web_examen functions.php
root@vps-63c288f3:/var/www/html/examen# chgrp web_examen index.php
root@vps-63c288f3:/var/www/html/examen# ls -l
total 16
-rw-r--r-- 1 root web_examen 398 Apr  3 17:08 bd.sql
-rw-r--r-- 1 root web_examen 125 Apr  3 17:08 config.php
-rw-r--r-- 1 root web_examen 904 Apr  3 17:08 functions.php
-rw-r--r-- 1 root web_examen 292 Apr  3 17:08 index.php
root@vps-63c288f3:/var/www/html/examen#
root@vps-63c288f3:/var/www/html/examen# chmod g+w bd.sql
root@vps-63c288f3:/var/www/html/examen# ls -l
total 16
-rw-rw-r-- 1 root web_examen 398 Apr  3 17:08 bd.sql
-rw-r--r-- 1 root web_examen 125 Apr  3 17:08 config.php
-rw-r--r-- 1 root web_examen 904 Apr  3 17:08 functions.php
-rw-r--r-- 1 root web_examen 292 Apr  3 17:08 index.php
root@vps-63c288f3:/var/www/html/examen# chmod g+w config.php
root@vps-63c288f3:/var/www/html/examen# chmod g+w functions.php
root@vps-63c288f3:/var/www/html/examen# chmod g+w index.php
root@vps-63c288f3:/var/www/html/examen# ls -l
total 16
-rw-rw-r-- 1 root web_examen 398 Apr  3 17:08 bd.sql
-rw-rw-r-- 1 root web_examen 125 Apr  3 17:08 config.php
-rw-rw-r-- 1 root web_examen 904 Apr  3 17:08 functions.php
-rw-rw-r-- 1 root web_examen 292 Apr  3 17:08 index.php
root@vps-63c288f3:/var/www/html/examen#
```

e)

```
root@vps-63c288f3:/var/www/html/examen# chmod o-r bd.sql config.php funciones.php index.php
root@vps-63c288f3:/var/www/html/examen# ls -l
total 16
-rw-rw---- 1 root web_examen 398 Apr  3 17:08 bd.sql
-rw-rw---- 1 root web_examen 125 Apr  3 17:08 config.php
-rw-rw---- 1 root web_examen 904 Apr  3 17:08 funciones.php
-rw-rw---- 1 root web_examen 292 Apr  3 17:08 index.php
root@vps-63c288f3:/var/www/html/examen#
```

3-

```
root@vps-63c288f3:~# cd /etc/apache2/sites-enabled/
root@vps-63c288f3:/etc/apache2/sites-enabled# cp 000-default.conf msanchez-default.conf
root@vps-63c288f3:/etc/apache2/sites-enabled# ls
000-default.conf keita58-default-le-ssl.conf keita58-default.conf marcs-default-le-ssl.conf marcs-default.conf msanchez-default.conf
root@vps-63c288f3:/etc/apache2/sites-enabled# nano msanchez-default.conf
```

```
GNU nano 7.2 msanchez-default.conf
<VirtualHost *:80>
    # The ServerName directive sets the request scheme, hostname and port that
    # the server uses to identify itself. This is used when creating
    # redirection URLs. In the context of virtual hosts, the ServerName
    # specifies what hostname must appear in the request's Host: header to
    # match this virtual host. For the default virtual host (this file) this
    # value is not decisive as it is used as a last resort host regardless.
    # However, you must set it for any further virtual host explicitly.
    ServerName msanchez.damvib.cat

    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/html/examen/index.php

    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
    # error, crit, alert, emerg.
    # It is also possible to configure the loglevel for particular
    # modules, e.g.
    #LogLevel info ssl:warn

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined

    # For most configuration files from conf-available/, which are
    # enabled or disabled at a global level, it is possible to
    # include a line for only one particular virtual host. For example the
    # following line enables the CGI configuration for this host only
    # after it has been globally disabled with "a2disconf".
    #Include conf-available/serve-cgi-bin.conf
</VirtualHost>
root@vps-63c288f3:/etc/apache2/sites-enabled# nano msanchez-default.conf
root@vps-63c288f3:/etc/apache2/sites-enabled# systemctl restart apache2
```

4-

```
GNU nano 7.2 config.php
<?php
// Posa aquí les dades adequades per la connexió a la BD:
$server = "localhost";
$username = "examen";
$password = "super3";
$db = "db_examen";
?>

root@vps-63c288f3:/var/www/html/examen# mariadb < bd.sql
root@vps-63c288f3:/var/www/html/examen# mariadb
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 248
Server version: 10.11.6-MariaDB-0+deb12u1 Debian 12

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create user 'examen'@'localhost' identified by 'super3';
Query OK, 0 rows affected (0.001 sec)

root@vps-63c288f3:/var/www/html/examen# mariadb
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 251
Server version: 10.11.6-MariaDB-0+deb12u1 Debian 12

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> grant all privileges on db_examen.* to 'examen'@'localhost';
Query OK, 0 rows affected (0.001 sec)
```

HTML

Si veus això vol dir que la part HTML de la web s'està interpretant bé.

PHP

Si veus això vol dir que la part PHP de la web s'està interpretant bé.

BD

Si veus això vol dir que s'ha pogut connectar a la BD.

SELECT

Si veus això vol dir que s'ha pogut llegir la BD.

5-

```
root@vps-63c288f3:/var/www/html/examen# mariadb
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 254
Server version: 10.11.6-MariaDB-0+deb12u1 Debian 12

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create user 'msanchez'@'localhost' identified by 'super3';
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> grant all privileges on db_examen.* to 'msanchez'@'localhost';
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> █
```

6-

```
GNU nano 7.2 config.php
<?php
// Posa aquí les dades adequades per la connexió a la BD:
$server = "localhost";
$username = "msanchez";
$password = "super3";
$db = "db_examen";
?>
```

7-

```
root@vps-63c288f3:/etc/apache2/sites-enabled# certbot --apache
Saving debug log to /var/log/letsencrypt/letsencrypt.log

Which names would you like to activate HTTPS for?
We recommend selecting either all domains, or all domains in a VirtualHost/server block.
-----
1: keita58.damvib.cat
2: marcs.damvib.cat
3: msanchez.damvib.cat
-----
Select the appropriate numbers separated by commas and/or spaces, or leave input
blank to select all options shown (Enter 'c' to cancel): 3
Requesting a certificate for msanchez.damvib.cat

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/msanchez.damvib.cat/fullchain.pem
Key is saved at: /etc/letsencrypt/live/msanchez.damvib.cat/privkey.pem
This certificate expires on 2024-07-02.
These files will be updated when the certificate renews.
Certbot has set up a scheduled task to automatically renew this certificate in the background.

Deploying certificate
Successfully deployed certificate for msanchez.damvib.cat to /etc/apache2/sites-enabled/msanchez-default-le-ssl.conf
Congratulations! You have successfully enabled HTTPS on https://msanchez.damvib.cat

-----
If you like Certbot, please consider supporting our work by:
* Donating to ISRG / Let's Encrypt: https://letsencrypt.org/donate
* Donating to EFF: https://eff.org/donate-le
-----
root@vps-63c288f3:/etc/apache2/sites-enabled# █
```

8-



HTML

Si veus això vol dir que la part HTML de la web s'està interpretant bé.

PHP

Si veus això vol dir que la part PHP de la web s'està interpretant bé.

BD

Si veus això vol dir que s'ha pogut connectar a la BD.

SELECT

Si veus això vol dir que s'ha pogut llegir la BD.