

Practica Calificada N°3 2023-I

PRACTICA CALIFICADA Nº 3

Profesor: Farfán Jaime, MSc. Fecha: ../. . / ..

Apellidos: Pretel Rojas Nombres: Yoliño

Carrera: Ing. Mecatronica Ciclo: 7mo

Duración: 120 min

Número de preguntas: 1

Indicaciones:

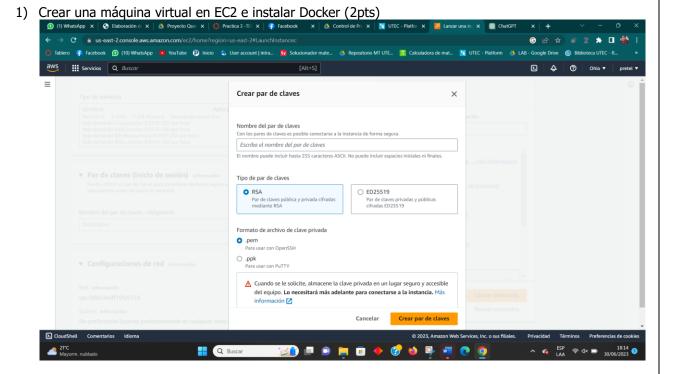
1. Se permite el uso de textos, apuntes y acceso a Internet. ©

Nota:

Del siguiente caso realizar las siguientes actividades

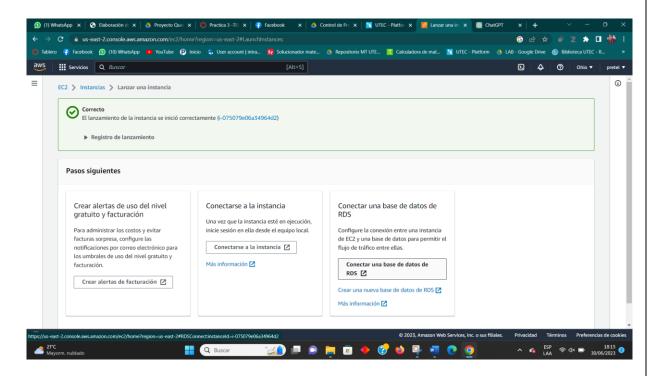
Entregables

- Evidencia del funcionamiento de cada pregunta (captura de pantalla)
- Zip del código de su fuente





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```
ubuntu@ip-172-31-46-6: ~
                                                                                                                                                                                                                                                                     \Box
Preparing to unpack .../8-libslirp0_4.6.1-1build1_amd64.deb ...

Unpacking libslirp0:amd64 (4.6.1-1build1) ...

Selecting previously unselected package slirp4netns.

Preparing to unpack .../9-slirp4netns_1.0.1-2_amd64.deb ...

Unpacking slirp4netns (1.0.1-2) ...

Setting up docker-buildx-plugin (0.10.5-1~ubuntu.18.04~bionic) ...

Setting up containerd.io (1.6.21-1) ...

Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.
 ntainerd.service.
Setting up docker-compose-plugin (2.18.1-1~ubuntu.18.04~bionic) ... Setting up libltdl7:amd64 (2.4.6-15build2) ... Setting up docker-ce-cli (5:24.0.2-1~ubuntu.18.04~bionic) ... Setting up libslirp0:amd64 (4.6.1-1build1) ... Setting up pigz (2.6-1) ... Setting up docker-ce-rootless-extras (5:24.0.2-1~ubuntu.18.04~bionic) ...
 Setting up docker-ce-rootless-extras (5:24.0.2-1~ubuntu.18.04~bionic) ...
 Setting up slirp4netns (1.0.1-2) ...
Setting up docker-ce (5:24.0.2-1~ubuntu.18.04~bionic) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker
 .service.
  Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.soc
 ket.
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-Oubuntu3.1) ...
  Scanning processes...
Scanning linux images...
  Scanning
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-46-6:~$ sudo systemctl status docker
• docker.service - Docker Application Container Engine
Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
Active: active (running) since Fri 2023-06-30 23:20:52 UTC; 45s ago
  FriggeredBy: • docker.socket
Docs: https://docs.docker.com
Main PID: 8684 (dockerd)
            Tasks: 7
Jun 30 23:20:52 ip-172-31-46-6 systemd[1]: Starting Docker Application Container Engine...
Jun 30 23:20:52 ip-172-31-46-6 dockerd[8684]: time="2023-06-30T23:20:52.174426875Z" level=info msg="St>
Jun 30 23:20:52 ip-172-31-46-6 dockerd[8684]: time="2023-06-30T23:20:52.176574266Z" level=info msg="de>
Jun 30 23:20:52 ip-172-31-46-6 dockerd[8684]: time="2023-06-30T23:20:52.315979939Z" level=info msg="Lo>
Jun 30 23:20:52 ip-172-31-46-6 dockerd[8684]: time="2023-06-30T23:20:52.645653896Z" level=info msg="Lo>
Jun 30 23:20:52 ip-172-31-46-6 dockerd[8684]: time="2023-06-30T23:20:52.710153630Z" level=info msg="Do>
Jun 30 23:20:52 ip-172-31-46-6 dockerd[8684]: time="2023-06-30T23:20:52.710606141Z" level=info msg="Da>
Jun 30 23:20:52 ip-172-31-46-6 dockerd[8684]: time="2023-06-30T23:20:52.805139548Z" level=info msg="AP>
Jun 30 23:20:52 ip-172-31-46-6 systemd[1]: Started Docker Application Container Engine.
```

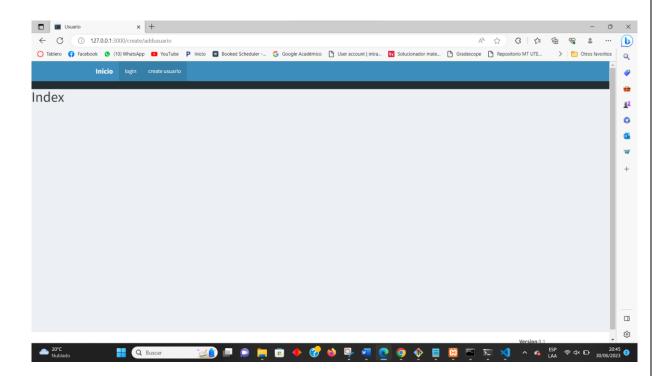
2) Crear una base de datos de alumnos (username, nombre, apellidos, clave). (2pts)



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```
insert into alumnos(username,nombre,apellido,clave)
values (197788,'julia...' at line 6
MariaDB [alumnos]>
MariaDB [alumnos]>
MariaDB [alumnos]> CREATE TABLE alumnos(
   -> username varchar(50) primary key,
   -> nombre varchar(50) NOT NULL,
   -> apellido varchar(50) NOT NULL,
    -> clave varchar(50) NOT NULL
Query OK, 0 rows affected (0.033 sec)
MariaDB [alumnos]>
MariaDB [alumnos]> insert into alumnos(username,nombre,apellido,clave)
   -> values ('197788', 'julian', 'casas', 'julian_casas');
Query OK, 1 row affected (0.052 sec)
MariaDB [alumnos]>
MariaDB [alumnos]> select * from alumnos;
 username | nombre | apellido | clave
 197788 | julian | casas | julian_casas |
 row in set (0.010 sec)
MariaDB [alumnosl>
```

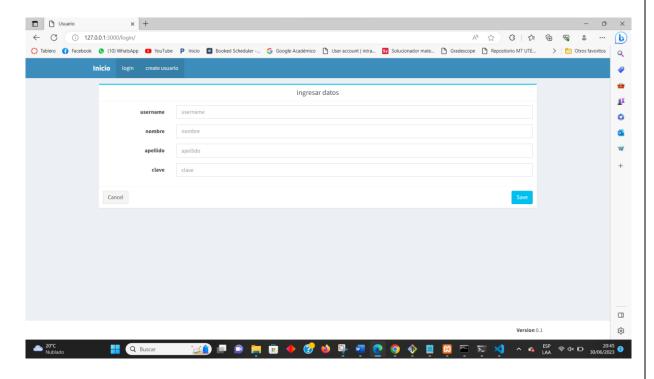
3) Crear una aplicación en PYTHON-FLASK que permita realizar LOGIN/REGISTRO. (8pts)





Cognitive **Computing**Practica Calificada N°3

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Cognitive **Computing**Practica Calificada N°3

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Administra	ador: XAMPI	P for Windows	mysql -u root -p			
MariaDB [alu	umnos]> se	elect * from	alumnos;			
username	nombre	apellido	clave			
197788	julian	casas	julian_casas			
1 row in set	(0.001	sec)				
MariaDB [alu	umnos]> se	elect * from	alumnos;			
username	nombre	apellido	clave			
197788 mn	julian nnnn	casas nnnn	julian_casas nnn			
2 rows in se	et (0.001	sec)	***************************************			
MariaDB [alu	umnos]> se	elect * from	alumnos;			
username	nombre	apellido	clave			
197788 julio90 mn yryryr	julian jujj nnnn 4444	casas pre nnnn 4444	julian_casas nnn nnn 4444			
4 rows in se	et (0.001	sec)				
MariaDB [alu	umnos]> se	elect * from	alumnos;			
username	nombre	apellido	clave			
197788 julio90 mn yryryr	julian jujj nnnn 4444	casas pre nnnn 4444	julian_casas nnn nnn 4444			
4 rows in se	et (0.009	sec)	+			
MariaDB [alu	umnos]>					

4) Desplegar su aplicación en EC2 usando docker (8pts) (no se logro subir la pagina e instalar Python y xampp)



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```
# Unitize una imagen base de Python

FROM python:3.9

# Instala XAMPP

#RUN apt-get update && apt-get install -y wget

#RUN wget https://www.apachefriends.org/xampp-files/8.0.12/xampp-linux-x64-8.0.12-0-installer.run -0 
#RUN kinded *x xampp-installer.run --mode unattended

RUN git clone -q https://github.com/pretel19/tarea.git

WORKDIR tarea

# Configura el puerto para Apache

EXPOSE 80

# Configura el directorio de trabajo

WORKDIR /yar/www/html

# Copia tu código de la aplicación al contenedor

# Instala las dependencias de Python

# Ejecuta XAMPP y la aplicación Python al iniciar el contenedor

CND ["/opt/lampp/lampp", "start"] && python app.py
```