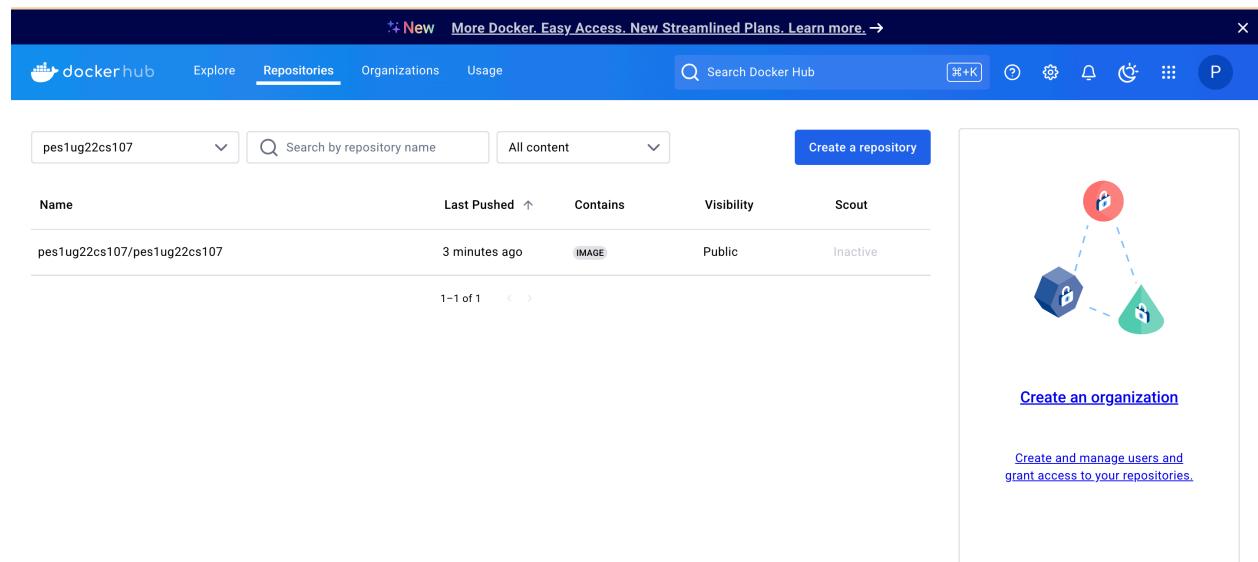


UE22CS351B CLOUD COMPUTING LABORATORY 5

NAME : ARNAV SATISH
SRN : PES1UG22CS107
SECTION: B

TASK 1:

Screenshot 1 (SS1):



The screenshot shows the Docker Hub interface. At the top, there's a blue header bar with the Docker logo, a 'New' badge, and a 'More Docker. Easy Access. New Streamlined Plans. Learn more.' button. Below the header, there are tabs for 'Explore', 'Repositories' (which is selected), 'Organizations', and 'Usage'. A search bar says 'Search Docker Hub' with a magnifying glass icon. To the right of the search bar are several icons: a profile picture, a gear, a bell, a refresh, and a plus sign. On the left, there's a sidebar with a dropdown menu set to 'pes1ug22cs107', a search bar for 'Search by repository name', a dropdown for 'All content', and a 'Create a repository' button. The main content area displays a table for the repository 'pes1ug22cs107/pes1ug22cs107'. The table has columns for Name, Last Pushed, Contains, Visibility, and Scout. The repository details are: Name - pes1ug22cs107/pes1ug22cs107, Last Pushed - 3 minutes ago, Contains - IMAGE, Visibility - Public, Scout - Inactive. Below the table, it says '1-1 of 1'. To the right of the table is a large white box containing three icons: a red circle with a padlock, a blue hexagon with a lock, and a green triangle with a lock. Below these icons is a link 'Create an organization' and another link 'Create and manage users and grant access to your repositories.'

TASK 2:

First Screenshot(SS1):

```

(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker logs 5417d7d9874b
2025-02-11 09:42:55+00:00 [Note] [Entrypoint]: MySQL Server 9.2.0-1.el9 started.
2025-02-11 09:42:55+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'.
2025-02-11 09:42:55+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 9.2.0-1.el9 started.
2025-02-11 09:42:55+00:00 [Note] [Entrypoint]: Initializing database files
2025-02-11T09:42:55.914253Z 0 [System] [MY-015817] [Server] MySQL Server Initialization - start.
2025-02-11T09:42:55.914292Z 0 [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 9.2.0) initializing of server in progress as process 80
2025-02-11T09:42:55.914292Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2025-02-11T09:42:55.914292Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T09:42:55.914292Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T09:42:55.914292Z 1 [System] [MY-013463] [Server] MySQL Server Initialization - end.
2025-02-11T09:42:55.914292Z 0 [System] [MY-015818] [Server] MySQL Server Initialization - start.
2025-02-11 09:42:55+00:00 [Note] [Entrypoint]: Database files initialized
2025-02-11 09:42:55+00:00 [Note] [Entrypoint]: Starting temporary server
2025-02-11 09:42:55+00:00 [Note] [Entrypoint]: MySQL Server - start.
2025-02-11T09:42:58.264073Z 0 [System] [MY-018116] [Server] /usr/sbin/mysqld (mysqld 9.2.0) starting as process 121
2025-02-11T09:42:58.264073Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2025-02-11T09:42:58.264073Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T09:42:58.451653Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T09:42:58.593345Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
2025-02-11T09:42:58.593364Z 0 [System] [MY-013462] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2025-02-11T09:42:58.594223Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
2025-02-11T09:42:58.601952Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Socket: /var/run/mysqld/mysql.sock
2025-02-11T09:42:58.601965Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '9.2.0' socket: '/var/run/mysqld/mysql.sock' port: 0 MySQL Community Server - GPL.
2025-02-11 09:42:58+00:00 [Note] [Entrypoint]: MySQL Server - start.
'/var/lib/mysql/mysql.sock' '/var/run/mysqld/mysql.sock'
Warning: Unable to load '/usr/share/zoneinfo/iso3166.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leap-seconds.list' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leapseconds' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/tzdata.zi' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone1970.tab' as time zone. Skipping it.
2025-02-11 09:42:59+00:00 [Note] [Entrypoint]: Creating database notes

2025-02-11 09:42:59+00:00 [Note] [Entrypoint]: Stopping temporary server
2025-02-11T09:42:59.520988Z 12 [System] [MY-013172] [Server] Received SHUTDOWN from user root. Shutting down mysqld (Version: 9.2.0).
2025-02-11T09:43:01.034884Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld: Shutdown complete (mysqld 9.2.0) MySQL Community Server - GPL.
2025-02-11T09:43:01.034899Z 0 [System] [MY-015810] [Server] MySQL Server - end.
2025-02-11 09:43:01+00:00 [Note] [Entrypoint]: Temporary server stopped

2025-02-11 09:43:01+00:00 [Note] [Entrypoint]: MySQL init process done. Ready for start up.

2025-02-11T09:43:01.536336Z 0 [System] [MY-015815] [Server] MySQL Server - start.
2025-02-11T09:43:01.679910Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 9.2.0) starting as process 1
2025-02-11T09:43:01.683356Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2025-02-11T09:43:01.793740Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T09:43:01.793740Z 1 [System] [MY-013463] [Server] CA certificate ca.pem is self signed.
2025-02-11T09:43:01.920000Z 0 [System] [MY-013462] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2025-02-11T09:43:01.921765Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
2025-02-11T09:43:01.929876Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060, socket: /var/run/mysqld/mysql.sock
2025-02-11T09:43:01.929932Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '9.2.0' socket: '/var/run/mysqld/mysql.sock' port: 3306 MySQL Community Server - GPL.
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 %

```

Screenshot (SS2):

```

(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker logs 843c9bde83d6
Traceback (most recent call last):
  File "/usr/local/lib/python3.11/site-packages/mysql/connector/connection_cext.py", line 365, in _open_connection
    self._cmyql.connect(**cnx_kwargs)
_mysql.connector.MySQLInterfaceError: Can't connect to MySQL server on 'localhost:3306' (111)

The above exception was the direct cause of the following exception:

Traceback (most recent call last):
  File "/usr/src/app/main.py", line 2, in <module>
    from utils import db
  File "/usr/src/app/utils/db.py", line 16, in <module>
    cnx_pool=mysql.connector.pooling.MySQLConnectionPool(
      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/usr/local/lib/python3.11/site-packages/mysql/connector/pooling.py", line 490, in __init__
    self.add_connection()
  File "/usr/local/lib/python3.11/site-packages/mysql/connector/pooling.py", line 613, in add_connection
    cnx = connect(**self._cnx_config) # type: ignore[assignment]
      ^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/usr/local/lib/python3.11/site-packages/mysql/connector/pooling.py", line 322, in connect
    return MySQLConnection(*args, **kwargs)
      ^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/usr/local/lib/python3.11/site-packages/mysql/connector/connection_cext.py", line 153, in __init__
    self.connect(**kargs)
  File "/usr/local/lib/python3.11/site-packages/mysql/connector/abstracts.py", line 1529, in connect
    self._open_connection()
  File "/usr/local/lib/python3.11/site-packages/mysql/connector/connection_cext.py", line 370, in _open_connection
    raise get_mysql_exception()
mysql.connector.errors.DatabaseError: 2003 (HY000): Can't connect to MySQL server on 'localhost:3306' (111)
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 %

```

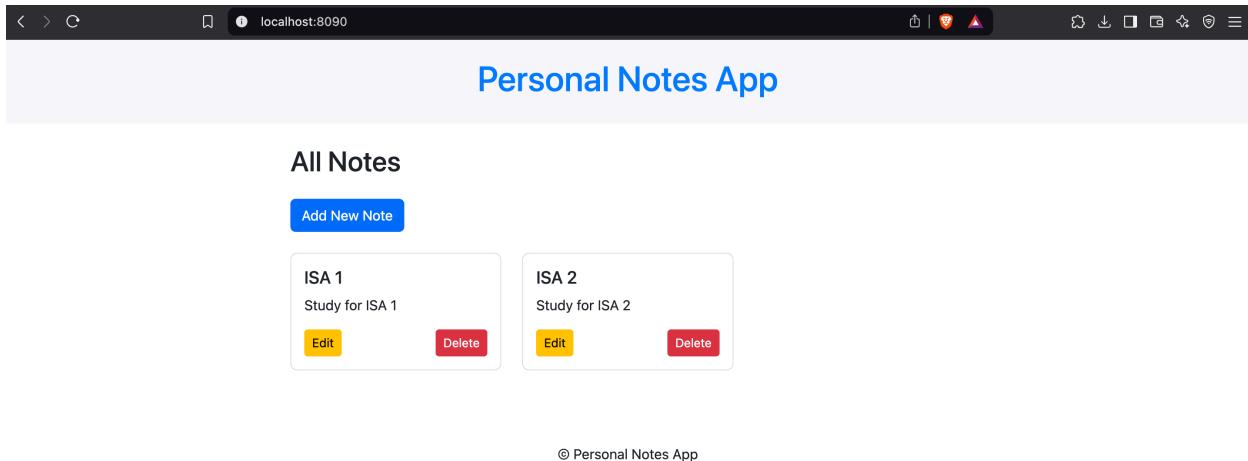
Screenshot(SS3):

```

(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker inspect 5417d7d9874bb5f47364c72aede4d47f58ae9def25ebe4abb9d0f21fad1d92d | grep IPAddress
    "SecondaryIPAddresses": null,
    "IPAddress": "172.17.0.3",
      "IPAddress": "172.17.0.3",
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 %

```

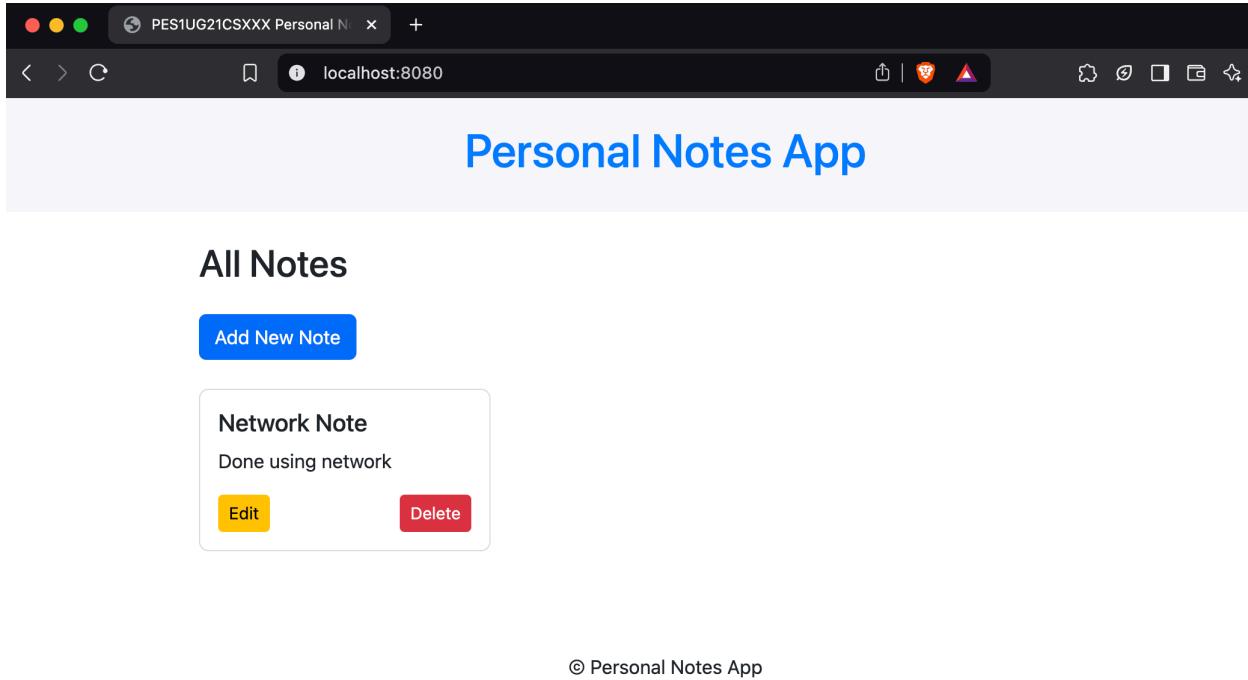
Screenshot(SS4):



Screenshot 5 (SS5):

```
(base) arnavasati@Arnavas-MacBook-Pro-3 PES1UG22CS107 % docker run -d --name mysql_n_container -p 3306:3306 --network PES1UG22CS107 mysql:1
82f8639eb71851f98eaeed8f665bc8e6fb48e8a3ea4c4211bedbcff24b6c32
docker: Error response from daemon: Ports are not available: conflicting port TCP 0.0.0.0:3306 > 0.0.0.0:3306: bind: address already in use.
(base) arnavasati@Arnavas-MacBook-Pro-3 PES1UG22CS107 % docker run -d --name mysql_n_container -p 3309:3306 --network PES1UG22CS107 mysql:1
docker: Error response from daemon: Conflict. The container name "/mysql_n_container" is already in use by container "82f8639eb71851f98eaeed8f665bc8e6fb48e8a3ea4b2d1bedbc0ccf26b6c32". You have to remove
(or rename) that container to be able to reuse that name.
(base) arnavasati@Arnavas-MacBook-Pro-3 PES1UG22CS107 % docker run -d --name mysql_n_container -p 3309:3306 --network PES1UG22CS107 mysql:1
31d01117bcc8c847e61af9c5aa3abb6f798a1eead4edfc7df9733b1e9b0c6
(base) arnavasati@Arnavas-MacBook-Pro-3 PES1UG22CS107 % docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
31d01117bcc mysql:1 "docker-entrypoint.s..." 56 seconds ago Up 55 seconds 3306/tcp, 0.0.0.0:3309->3306/tcp mysql_n_container
9ef6861ef9f1 mysql:1 "docker-entrypoint.s..." 2 minutes ago Created mysql_container
0474adfb8a34 node:14 "python main.py" 7 minutes ago Exited (0) 3 minutes ago busy_meninsky
3434540393d4 a226dd09e5 "python main.py" 19 minutes ago Exited (0) 19 minutes ago sweet_mitzen
f9a649979a37 a226d2b08065 "python main.py" 19 minutes ago Created interesting_neumann
541767d49874d mysql:1 "docker-entrypoint.s..." 38 minutes ago Exited (0) 3 minutes ago determined_carver
61c38d2f84f3 couchbase:latest "/entrypoint.sh couc..." 2 weeks ago Exited (0) 2 weeks ago PES1UG22CS675
(base) arnavasati@Arnavas-MacBook-Pro-3 PES1UG22CS107 % docker logs 31d01117bcc
2025-02-11 10:28:54+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 9.2.0-1.el9 started.
2025-02-11 10:28:54+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'.
2025-02-11 10:28:54+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 9.2.0-1.el9 started.
2025-02-11 10:28:54+00:00 [Note] [Entrypoint]: Initializing database files
2025-02-11T08:20:54.397516Z [System] [MY-015017] [Server] MySQL Server Initialization - start.
2025-02-11T08:20:54.398137Z [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 9.2.0) initializing of server in progress as process 79
2025-02-11T08:20:54.311439Z [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2025-02-11T08:20:54.692528Z [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T08:20:55.245692Z [Warning] [MY-019463] [Server] root@localhost is created with an empty password ! Please consider switching off the --initialize-insecure option.
2025-02-11T08:20:55.245692Z [Warning] [MY-019463] [Server] MySQL Server initialization - end.
2025-02-11 10:28:54+00:00 [Note] [Entrypoint]: Database files initialized
2025-02-11 10:28:54+00:00 [Note] [Entrypoint]: Starting temporary server
2025-02-11T08:20:56.615192Z [System] [MY-015015] [Server] MySQL Server - start.
2025-02-11T08:20:56.772792Z [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 9.2.0) starting as process 120
2025-02-11T08:20:57.085366Z [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2025-02-11T08:20:57.085366Z [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T08:20:57.140117Z [Warning] [MY-018053] [Server] CA certificate ca.pem is self signed.
2025-02-11T08:20:57.140117Z [Warning] [MY-018053] [Server] CA certificate ca.pem is self signed.
2025-02-11T08:20:57.159981Z [Warning] [MY-018101] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
2025-02-11T08:20:57.166187Z [System] [MY-011323] [Server] X plugin ready for connections. Socket: '/var/run/mysqld/mysqld.sock'
2025-02-11T08:20:57.166215Z [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '9.2.0' socket: '/var/run/mysqld/mysqld.sock' port: 0 MySQL Community Server - GPL.
2025-02-11 10:28:55+00:00 [Note] [Entrypoint]: Temporary server started.
/var/lib/mysql/plugin: could not open file 'leapseconds.list' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leapseconds.list' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leapseconds' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/tzdata_zi' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone1970.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone1970.tab' as time zone. Skipping it.
2025-02-11 10:28:55+00:00 [Note] [Entrypoint]: Creating database notes
2025-02-11 10:28:56+00:00 [Note] [Entrypoint]: Stopping temporary server
2025-02-11T08:20:58.087199Z [System] [MY-013372] [Server] Received SHUTDOWN from user root. Shutting down mysqld (Version: 9.2.0).
2025-02-11T08:20:59.594253Z [System] [MY-010910] [Server] /usr/sbin/mysqld: Shutdown complete (mysqld 9.2.0) MySQL Community Server - GPL.
2025-02-11T08:20:59.594278Z [System] [MY-015016] [Server] MySQL Server - end.
2025-02-11 10:21:00+00:00 [Note] [Entrypoint]: Temporary server stopped
```

Screenshot 6 (SS6):



Screenshot 7 (SS7):

```
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker volume create arnav_volume
arnav_volume
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker run -d --name arnav_cont -p 3309:3306 -v arnav_volume:/var/lib/mysql --network lab_network mysql:1
docker: Error response from daemon: Conflict. The container name "arnav_cont" is already in use by container "e6e201cb26303ef468db58408a70afcbde378e6ede106d0c9b5e1daf5c29bfc". You have to remove (or ren
ame) this container or re-use the name.
See 'docker run --help'.
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker run -d --name arnav_cont -p 3309:3306 -v arnav_volume:/var/lib/mysql --network lab_network mysql:1
f65b436fc07b3535b01e042a344257659f22277a8e64b587a52c7e2751708
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f65b436fc07b "docker-entrypoint.s..." 10 seconds ago Up 10 seconds 3306/tcp, 0.0.0.0:3309->3306/tcp arnav_cont
942605885885 "python main.py" 5 minutes ago Up 5 minutes 0.0.0.0:8080->8080/tcp tigris_euclid
f9394f8ca517 "python main.py" 7 minutes ago Created (1) 7 minutes ago mystifying_hoffstadter
fe0649879a37 "python main.py" 7 minutes ago Created interesting_neumann
54176d7d9874b "python main.py" 50 minutes ago Created determined_carver
54176d7d9874b mysql:1 "docker-entrypoint.s..." About an hour ago Exited (0) 34 minutes ago PES1UG22CS075
61636d2f84f1 couchbase:latest "/entrypoint.sh couc..." 3 weeks ago Exited (0) 2 weeks ago
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker logs f65b436fc07b
2025-02-11 10:52:12+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 9.2.0-1.el9 started.
2025-02-11 10:52:12+00:00 [Note] [Entrypoint]: Switching to generated user 'mysql'
2025-02-11 10:52:12+00:00 [Note] [Entrypoint]: Starting MySQL 9.2.0-1.el9...
2025-02-11 10:52:12+00:00 [Note] [Entrypoint]: Initializing database files
2025-02-11T10:52:12.566977Z [System] [MY-015017] [Server] MySQL Server Initialization - start.
2025-02-11T10:52:12.566977Z [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 9.2.0) initializing of server in progress as process 81
2025-02-11T10:52:12.570331Z [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2025-02-11T10:52:12.748784Z [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T10:52:12.748784Z [Warning] [MY-010945] [Server] root@localhost is created with an empty password ! Please consider switching off the --initialize-insecure option.
2025-02-11T10:52:12.748784Z [Warning] [MY-010945] [Server] root@localhost is created with an empty password ! Please consider switching off the --initialize-insecure option.
2025-02-11 10:52:14+00:00 [Note] [Entrypoint]: Database files initialized
2025-02-11 10:52:14+00:00 [Note] [Entrypoint]: Starting temporary server
2025-02-11T10:52:14.689780Z [System] [MY-015015] [Server] MySQL Server - start.
2025-02-11T10:52:14.752780Z [System] [MY-010110] [Server] /usr/sbin/mysqld (mysqld 9.2.0) starting as process 122
2025-02-11T10:52:14.761334Z [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2025-02-11T10:52:14.761334Z [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-02-11T10:52:14.761334Z [Warning] [MY-013582] [Server] CA certificate ca.pem is self signed.
2025-02-11T10:52:14.761334Z [Warning] [MY-013629] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2025-02-11T10:52:14.761334Z [Warning] [MY-013810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
2025-02-11T10:52:15.195783Z [System] [MY-011323] [Server] X Plugin ready for connections. Socket: /var/run/mysqld/mysqld.sock
2025-02-11T10:52:15.195801Z [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '9.2.0' socket: '/var/run/mysqld/mysqld.sock' port: 0 MySQL Community Server - GPL.
2025-02-11T10:52:15.195801Z [Note] [Entrypoint]: Temporary server started.
/var/lib/mysql/mysql.sock -> /var/run/mysqld/mysqld.sock
Warning: Unable to load '/usr/share/zoneinfo/leap-seconds.list' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leapseconds' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/tzdata.zi' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone1970.tab' as time zone. Skipping it.
2025-02-11 10:52:16+00:00 [Note] [Entrypoint]: Creating database notes
2025-02-11 10:52:16+00:00 [Note] [Entrypoint]: Stopping temporary server
2025-02-11T10:52:16.113377Z [System] [MY-013172] [Server] Received SHUTDOWN from user root. Shutting down mysqld (Version: 9.2.0).
2025-02-11T10:52:17.611899Z [System] [MY-010918] [Server] /usr/sbin/mysqld: Shutdown complete (mysqld 9.2.0) MySQL Community Server - GPL.
2025-02-11T10:52:17.611911Z [System] [MY-015016] [Server] MySQL Server - end.
2025-02-11 10:52:18+00:00 [Note] [Entrypoint]: Temporary server stopped
2025-02-11 10:52:18+00:00 [Note] [Entrypoint]: MySQL init process done. Ready for start up.
```

Screenshot 8 (SS8):

The screenshot shows a web application titled "Personal Notes App". The URL in the address bar is "localhost:8090". The main content area is titled "All Notes". There are two cards displayed:

- ISA 1**: Study for ISA 1. Buttons: Edit, Delete.
- ISA 2**: Study for ISA 2. Buttons: Edit, Delete.

A blue "Add New Note" button is located at the top left of the notes list. The footer of the page says "© Personal Notes App".

Screenshot 9 (SS9):

```
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS               NAMES
f65b436fc87b      mysql:1              "docker-entrypoint.s..."   2 minutes ago     Up 2 minutes          3306/tcp, 0.0.0.0:3309->3306/tcp   arnav_cont
841d5f4df135      notesapp:1           "python main.py"       7 minutes ago     Up 7 minutes          0.0.0.0:8080->8080/tcp   trusting_euclid
f39fbf8ca517      ad7b52793782       "python main.py"       9 minutes ago     Exited (1) 9 minutes ago   mystifying_hofstadter
fe0e65979e37      a426ed2bb0e5       "python main.py"       52 minutes ago    Created              interesting_neumann
f341438484f1      mysql:1              "docker-entrypoint.s..."   1 minute ago       Exited (0) 36 minutes ago   determined_carver
a163802f84f1      couchbase:latest     "/entrypoint.sh couch..."   3 weeks ago       Exited (0) 2 weeks ago   PES1UG22CS075

(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker remove f65b436fc87b
Error response from daemon: cannot remove container "/arnav_cont": container is running: stop the container before removing or force remove
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker stop f65b436fc87b
f65b436fc87b
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker rm f65b436fc87b
f65b436fc87b
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker rm 841d5f4df135
Error response from daemon: cannot remove container "/trusting_euclid": container is running: stop the container before removing or force remove
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker stop 841d5f4df135
841d5f4df135
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 % docker rm 841d5f4df135
841d5f4df135
(base) arnavsatish@Arnavs-MacBook-Pro-3 PES1UG22CS107 %
```

Screenshot(SS10):

The screenshot shows the same "Personal Notes App" interface as SS8, but it appears to be after some Docker operations. The notes list is identical to SS8, but the terminal output at the bottom shows several failed attempts to remove Docker containers:

- "Error response from daemon: cannot remove container "/arnav_cont": container is running: stop the container before removing or force remove"
- "Error response from daemon: cannot remove container "/trusting_euclid": container is running: stop the container before removing or force remove"
- "Error response from daemon: cannot remove container "/mystifying_hofstadter": container is running: stop the container before removing or force remove"
- "Error response from daemon: cannot remove container "/interesting_neumann": container is running: stop the container before removing or force remove"
- "Error response from daemon: cannot remove container "/determined_carver": container is running: stop the container before removing or force remove"

The footer of the page says "© Personal Notes App".

