MYSQL database in docker

Step 1:- Create an EC2 instance
       Ports:22, 3306

Step 2:- Connect to EC2 instance

Step 3:- Install Docker Engine latest version
       https://docs.docker.com/engine/install/ubuntu/   **(for ubuntu)**

Step 4:- Create database mysql

       docker run -d -p 3306:3306 -e MYSQL_ROOT_PASSWORD=1234 mysql
       docker ps (to check running containers)
       docker exec -it cont.id mysql -u root -p1234 (logging in)

Sample database:-

```
mysql> create database studentapp;
Query OK, 1 row affected (0.02 sec)

mysql> use studentapp;
Database changed
mysql> CREATE TABLE if not exists students(student_id INT NOT NULL AUTO_INCREMENT,
    -> student_name VARCHAR(100) NOT NULL,
    ->     student_addr VARCHAR(100) NOT NULL,
    -> student_age VARCHAR(3) NOT NULL,
    -> student_qual VARCHAR(20) NOT NULL,
    -> student_percent VARCHAR(10) NOT NULL,
    -> student_year_passed VARCHAR(10) NOT NULL,
    -> PRIMARY KEY (student_id)
    -> );
Query OK, 0 rows affected (0.04 sec)

mysql> desc students;
+---------------------+--------------+------+-----+---------+----------------+
| Field               | Type         | Null | Key | Default | Extra          |
+---------------------+--------------+------+-----+---------+----------------+
| student_id          | int          | NO   | PRI | NULL    | auto_increment |
| student_name        | varchar(100) | NO   |     | NULL    |                |
| student_addr        | varchar(100) | NO   |     | NULL    |                |
| student_age         | varchar(3)   | NO   |     | NULL    |                |
| student_qual        | varchar(20)  | NO   |     | NULL    |                |
| student_percent     | varchar(10)  | NO   |     | NULL    |                |
| student_year_passed | varchar(10)  | NO   |     | NULL    |                |
+---------------------+--------------+------+-----+---------+----------------+
7 rows in set (0.00 sec)

mysql> exit
Bye
```

Database is created with name "studentapp" and table name "students".