Họ tên: Ngô Long Vũ

Msv: 20210463

### Câu 1:

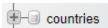
```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="",
    database="countries"
)

mycursor = mydb.cursor()

mycursor.execute("""
    CREATE TABLE countries (
        country_id INT PRIMARY KEY,
        country_name VARCHAR(100) NOT NULL,
        region_id INT
    )

""")
```



### Câu 2:

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="",
    database="countries"
)

mycursor = mydb.cursor()

mycursor.execute("""
    CREATE TABLE countries (
        country_id INT PRIMARY KEY,
        country_name VARCHAR(100) NOT NULL,
        region_id INT
    )

""")
```



#### Câu 3:

```
mydb = mysql.connector.connect(
mycursor = mydb.cursor()
mycursor.execute("""
sql insert india = "INSERT INTO countries (country id, country name,
val_india = (2, 'India', 2)
mycursor.execute(sql insert india, val india)
sql insert china = "INSERT INTO countries (country id, country name,
mycursor.execute(sql insert china, val china)
sql insert italy = "INSERT INTO countries (country id, country name,
val italy = (4, 'Italy', 4)
mycursor.execute(sql insert italy, val italy)
mydb.commit()
```

←Т	<b>→</b>		~	country_id	country_name	region_id
	🖉 Sửa	<b>≩</b> Chép	Xóa bỏ	2	India	2
	🖉 Sửa	<b>≩≟</b> Chép	Xóa bỏ	3	China	3
	🔗 Sửa	<b>≩-i</b> Chép	Xóa bỏ	4	Italy	4

#### Câu 4:



#### Ex1:



#### Ex2:

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="",
    database="countries"
)

mycursor = mydb.cursor()

mycursor.execute("""
    INSERT INTO countries (country_id, country_name)
    VALUES (2, 'Japan')

""")

mydb.commit()

mydb.close()
```



Ex3:

#### Ex4:

```
import mysql.connector
mydb = mysql.connector.connect(
   host="localhost",
   user="root",
   password="",
   database="countries"
)

mycursor = mydb.cursor()

mycursor.execute("""
   INSERT INTO jobs (job_id, job_title, min_salary, max_salary)
   VALUES (2, 'Data Scientist', 50000, 120000)
   ON DUPLICATE KEY UPDATE
   job_title = VALUES(job_title), min_salary = VALUES(min_salary),
max_salary = VALUES(max_salary)
""")
mydb.commit()

mydb.close()
```

← <del>+</del> →			job_id	job_title	min_salary	max_salary	
	🖉 Sửa	<b>≩≟</b> Chép	Xóa bỏ	1	Software Engineer	30000.00	80000.00
	🖉 Sửa	<b>≩</b> chép	Xóa bỏ	2	Data Scientist	50000.00	120000.00

#### Ex5:

```
import mysql.connector

mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="",
    database="countries"
)

mycursor = mydb.cursor()

mycursor.execute("""
    INSERT INTO jobs (job_id, job_title, min_salary, max_salary)
    VALUES (1, 'Software Engineer', 30000, 80000)
    ON DUPLICATE KEY UPDATE
    job_title = VALUES(job_title), min_salary = VALUES(min_salary),
max_salary = VALUES(max_salary)
""")
mydb.commit()

mydb.close()
```

← <del></del> <del>+</del>			job_id	job_title	min_salary	max_salary		
		🖉 Sửa	<b>≩≟</b> Chép	Xóa bỏ	1	Software Engineer	30000.00	80000.00
		🖉 Sửa	<b>≩</b> chép	Xóa bỏ	2	Data Scientist	50000.00	120000.00