ATIVIDADE 8 DE BANCO DE DADOS

nome: João Pedro de Andrade Holanda
Turma: P4 - Informática

```python
import mysql.connector
from mysql.connector import Error

def create_connection():
  connection = None
  try:
    connection = mysql.connector.connect(
      host='192.168.0.23',
      port='3306',
      user='root',
      password='root',
      database='BD_AVIOES')
    print("conexão feita com sucesso")
  except Error as e:
    print(f"Erro: '{e}'")

  return connection

def create_cliente(connection, nome, email):
  cursor = connection.cursor()
  query = "insert into TB_CLIENTES (nome, email) values (%s, %s)"
  cursor.execute(query, (nome, email))
  connection.commit()
```

```python
def read_clientes(connection):
  cursor = connection.cursor()
  cursor.execute("select * from TB_CLIENTES")
  clientes = cursor.fetchall()
  for cliente in clientes:
    print(cliente)

def update_cliente(connection, cliente_id, nome, email):
  cursor = connection.cursor()
  query = "update TB_CLIENTES set nome = %s, email = %s where id = %s"
  cursor.execute(query, (nome, email, cliente_id))
  connection.commit()
  print("cliente atualizado")

def delete_cliente(connection, cliente_id):
  cursor = connection.cursor()
  query = "delete from TB_CLIENTES where id = %s"
  cursor.execute(query, (cliente_id,))
  connection.commit()
  print("cliente apagado")

def main():
  connection = create_connection()
```

```
41    cursor = connection.cursor()
42    query = "delete from TB_CLIENTES where id = %s"
43    cursor.execute(query, (cliente_id,))
44    connection.commit()
45    print("cliente apagado")
46
47  def main():
48    connection = create_connection()
49    if connection is None:
50      return
51
52    create_cliente(connection, "joão pedro", "joao.andrade09@aluno.ifce.edu.br")
53    read_clientes(connection)
54    update_cliente(connection, 1, "João Pedro", "joao.emailnovo")
55    read_clientes(connection)
56    delete_cliente(connection, 1)
57    read_clientes(connection)
58
59    connection.close()
60
61  if __name__ == "__main__":
62    main()
63
```

```
  File "/root/app.py", line 56, in main
    delete_cliente(connection, 1)
  File "/root/app.py", line 43, in delete_cliente
    cursor.execute(query, (cliente_id))
  File "/root/myenv/lib/python3.12/site-packages/mysql/connector/cursor.py", line 398, in execute
    raise ProgrammingError(
mysql.connector.errors.ProgrammingError: Could not process parameters: int(1), it must be of type list, tuple or dict
(myenv) [node2] (local) root@192.168.0.22 ~
$ vi app.py
(myenv) [node2] (local) root@192.168.0.22 ~
$ vi app.py
(myenv) [node2] (local) root@192.168.0.22 ~
$ python app.py
conexão feita com sucesso
Cliente inserido
(1, 'João Pedro', 'joao.emailnovo')
(2, 'joão pedro', 'joao.andrade09@aluno.ifce.edu.br')
cliente atualizado
(1, 'João Pedro', 'joao.emailnovo')
(2, 'joão pedro', 'joao.andrade09@aluno.ifce.edu.br')
cliente apagado
(2, 'joão pedro', 'joao.andrade09@aluno.ifce.edu.br')
(myenv) [node2] (local) root@192.168.0.22 ~
$
```