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Roll No: 506

Cyber Forensics and Laws

Write a program to take backup of a MySQL database.

Database:

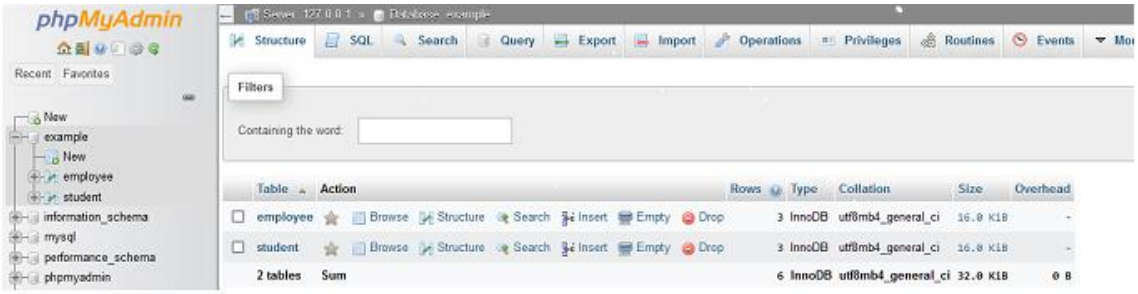
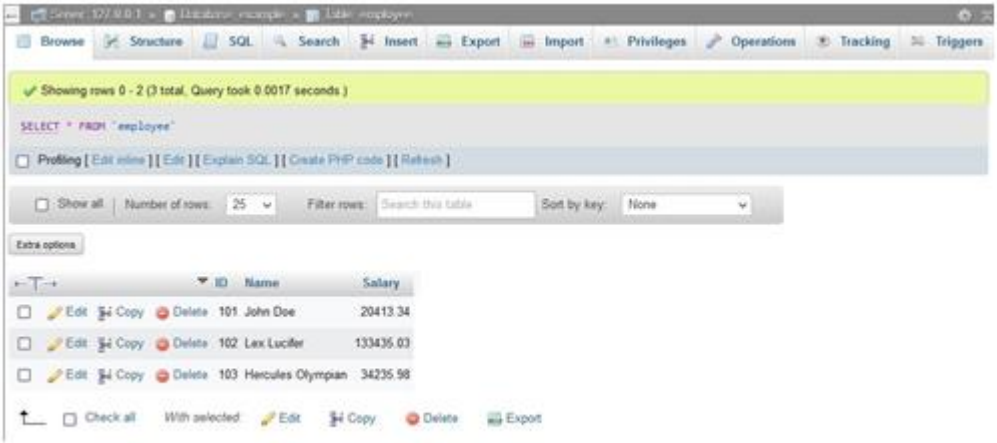
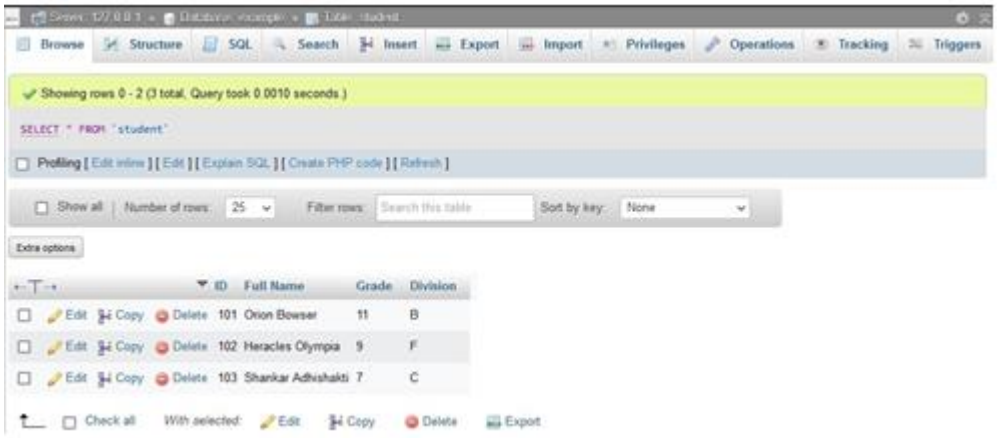


Table :

Employee :



Student :



Code ::

import mysql.connector as connector

om sys import exit

if _name _ = " _main _":

hostname = input("Enter host name [localhost]>") hostname = hostname if hostname = "" el e "localhost" username = input("Enter your username > ")

if username = "":

exit("Please input the correct username")

print("If password is not set, just press [Enter] on the following prompt")

password = input("Enter your password > ")

database_name = input("Enter the name of the database you want to backup > ")

if database_name = "":

exit("Please input the correct database name")

print("Trying connection...")

try:

connection = connector.connect(host = hostname, user =

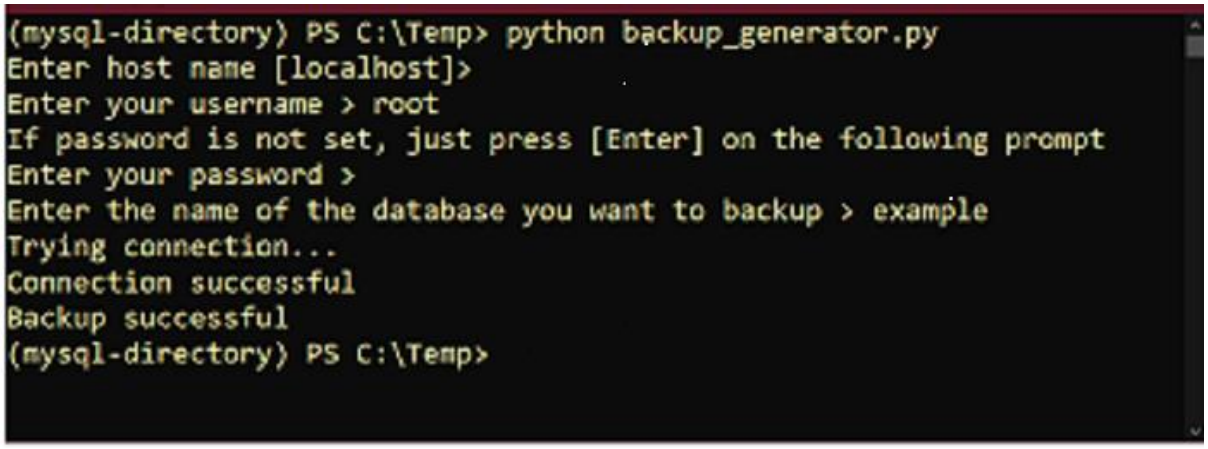
username, password = password, database = database_name) cursor = connection.cursor() print("Connection successful")

cursor.execute("show tables;") table_names : list[str] = []

for record in cursor.fetchall(): table_names.append(record[0])

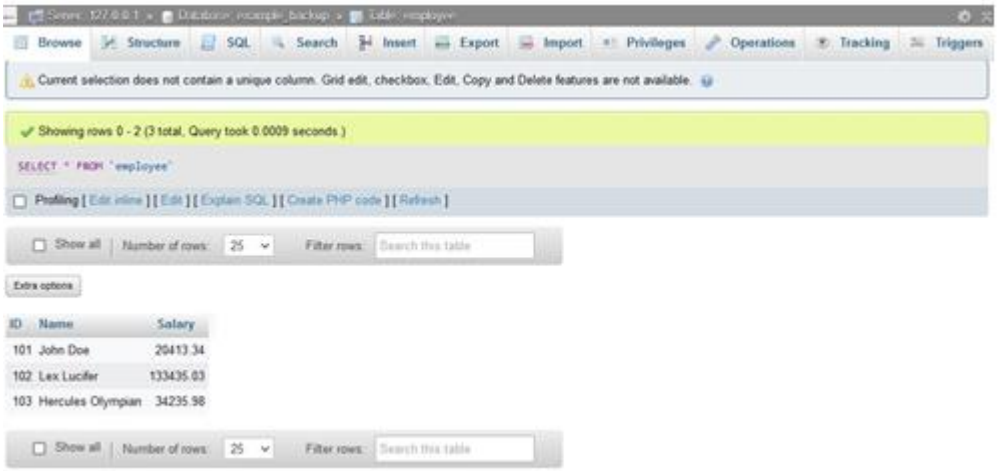
```
backup_database_name = database_name + "_backup" cursor.execute(f"create database
{backup_database_name};")
cursor.execute(f"use {backup_database_name};")

for table_name in table_names:
cursor.execute(f"create table {table_name} select * from {database_name}.{table_name}")
print("Backup successful")


except:
exit("Connection unsuccessful")
```

Output ::



After Backup ::

Employee Table :



Student Table