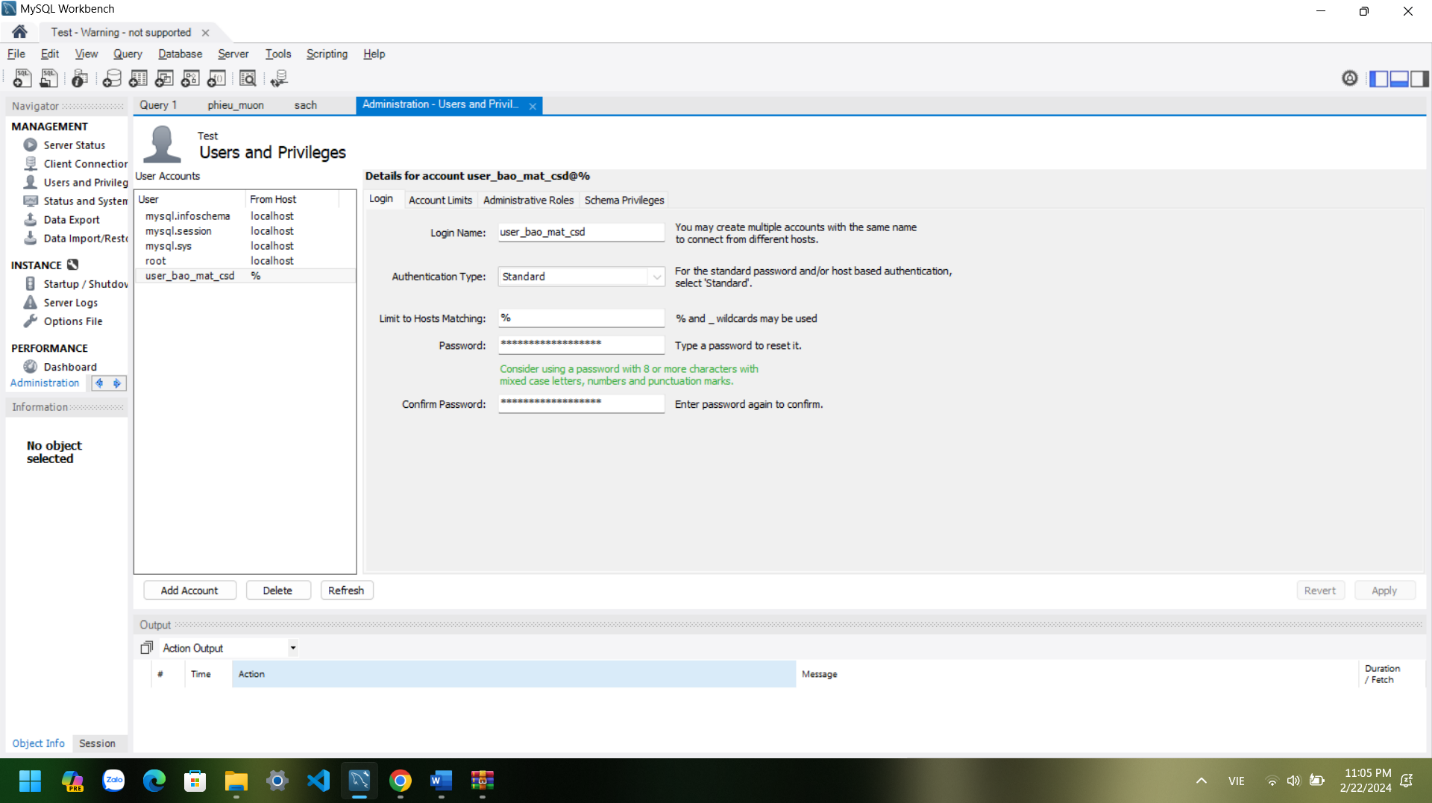
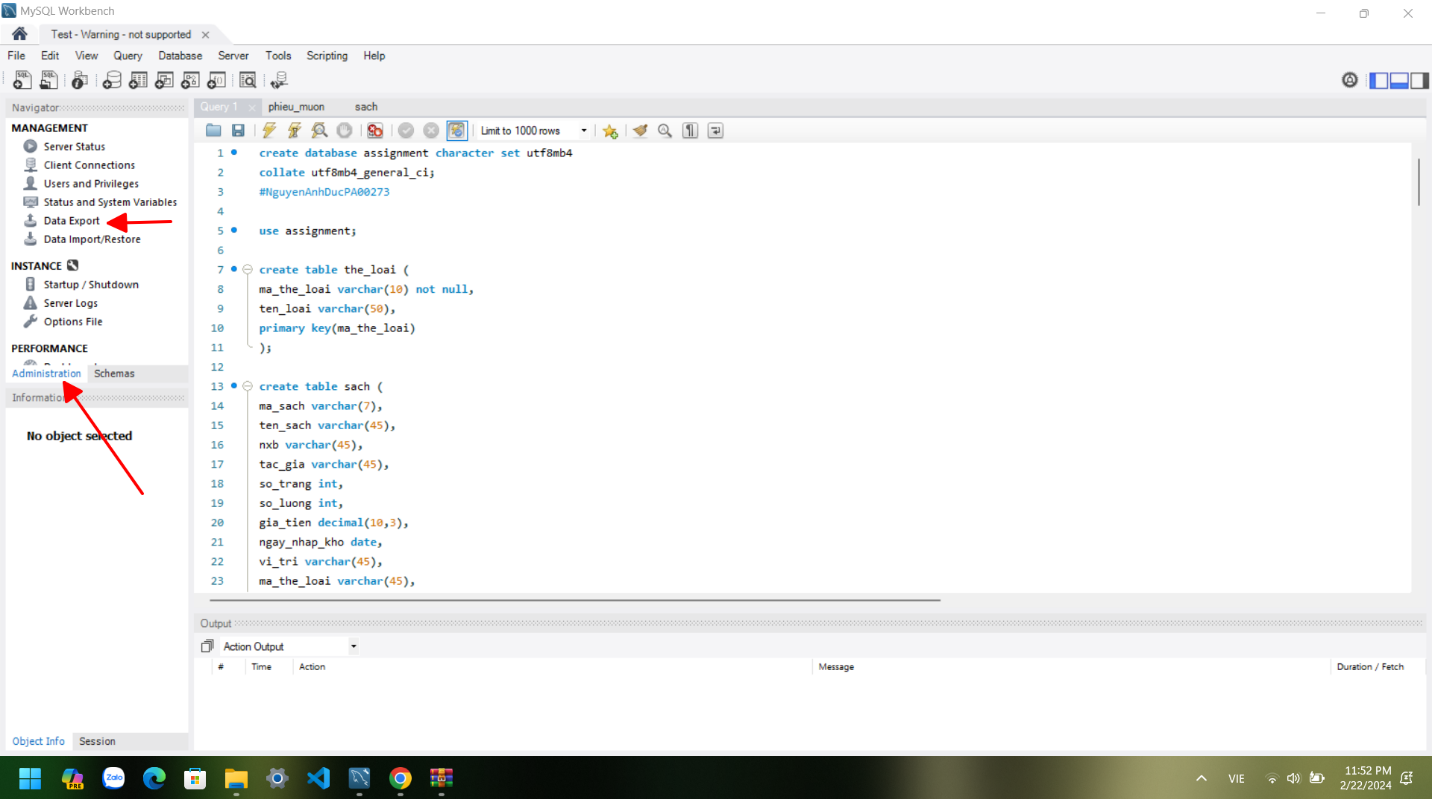
**FINAL ASSIGNMENT**

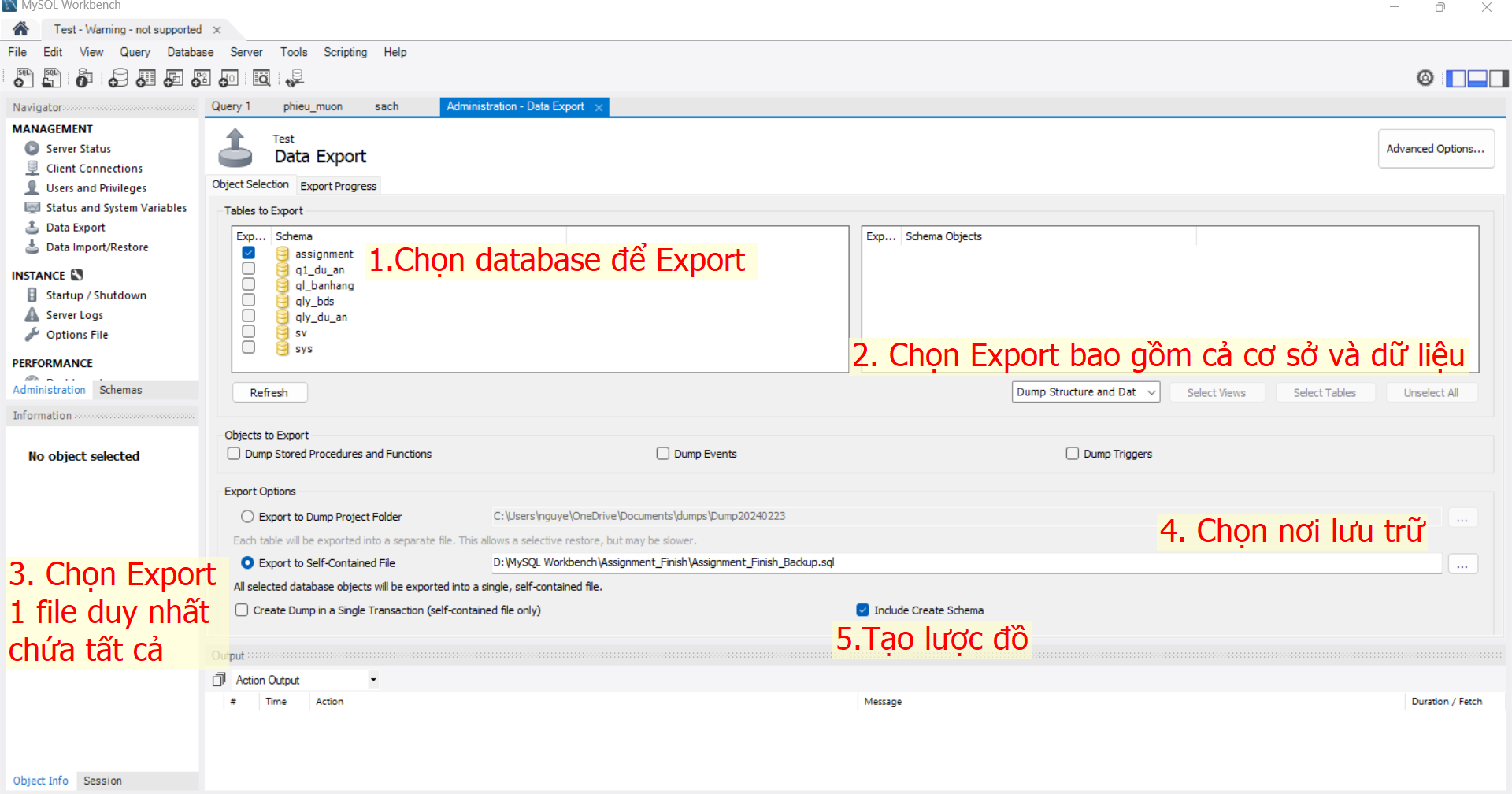
1.Tiến hành bảo mật cho cơ sở dữ liệu



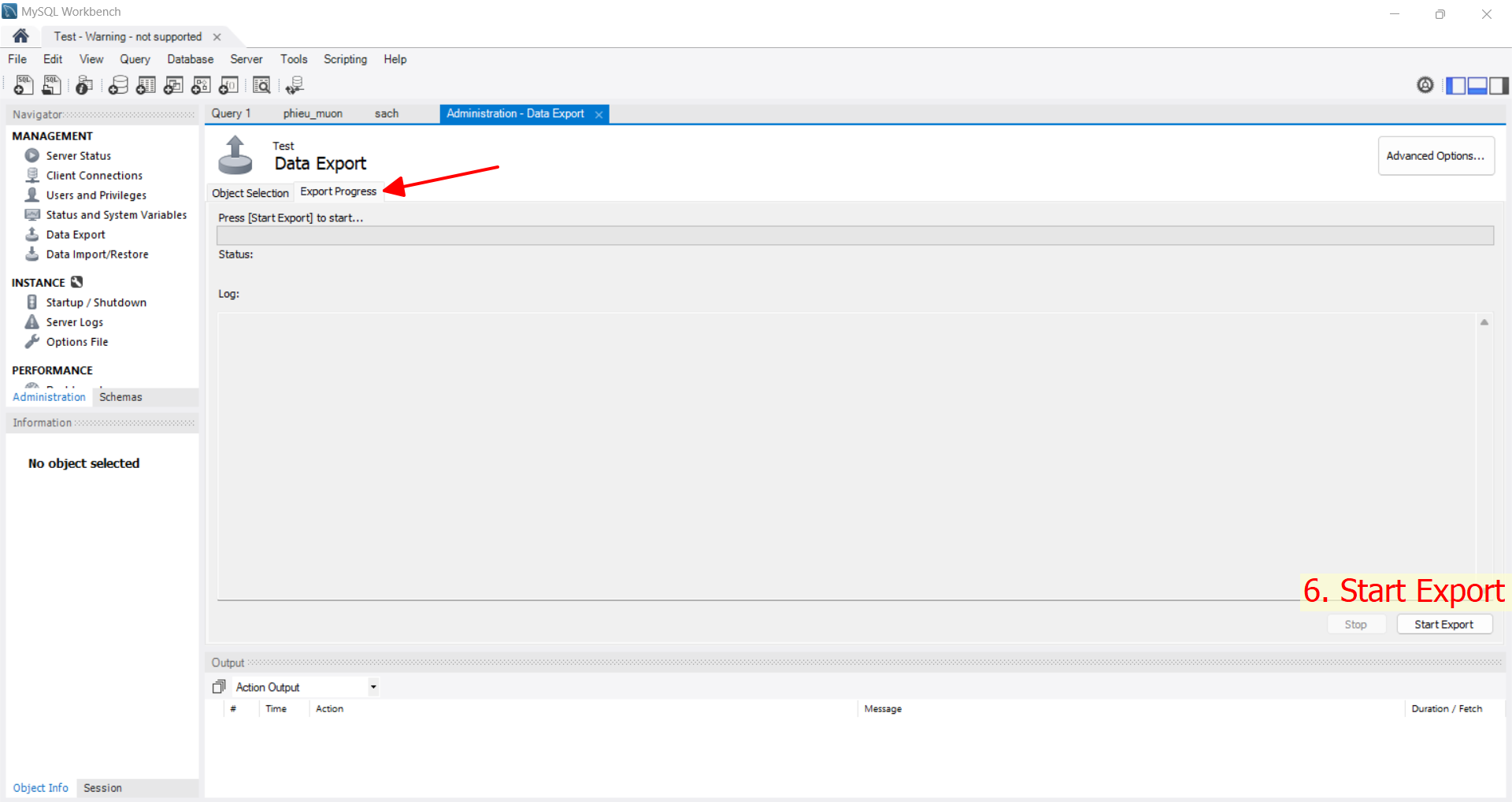
2. Lưu trữ dự phòng

Bước 1:

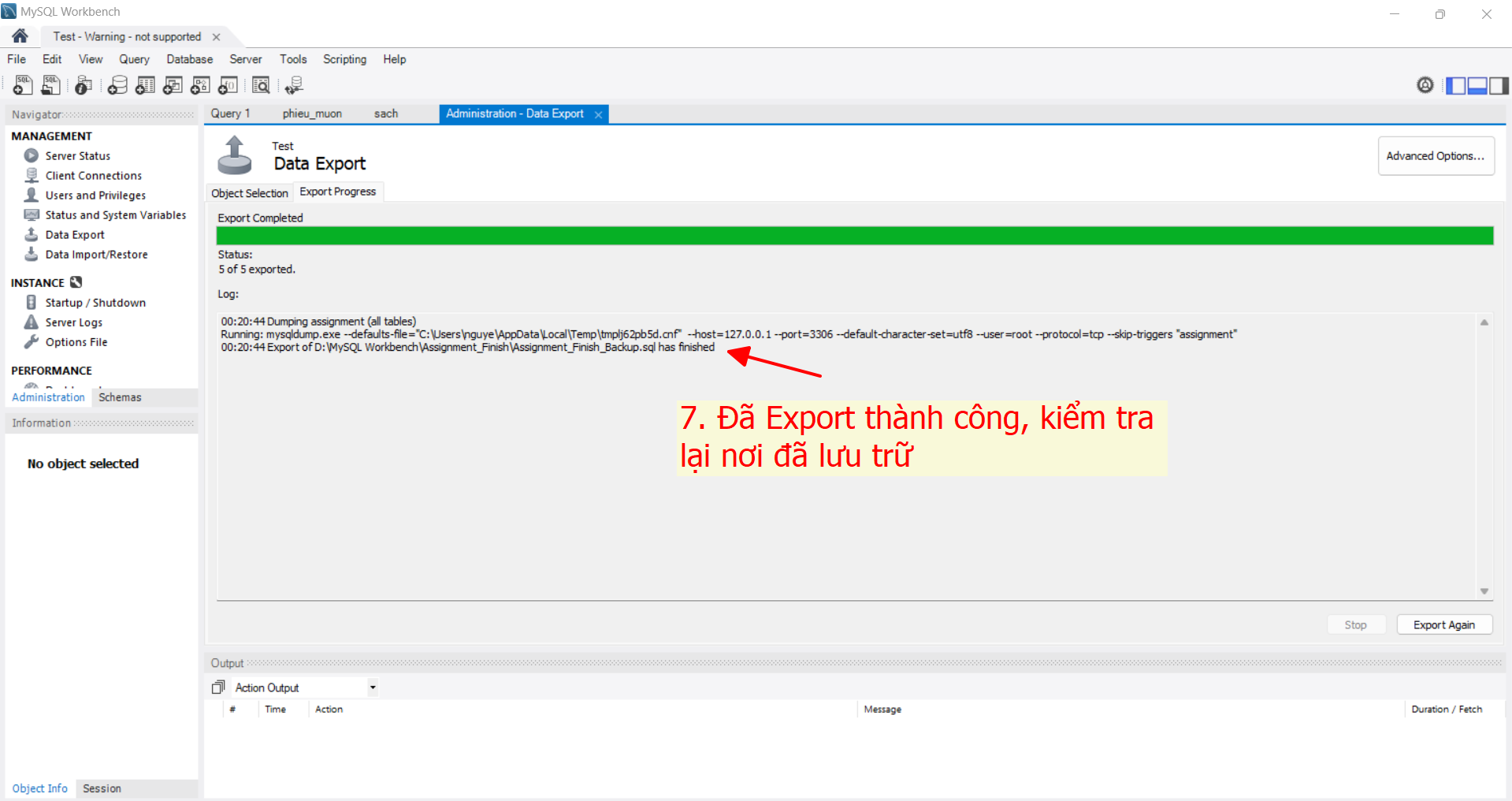
Bước 2:



Bước 3:



Bước 4: Kiểm tra



|  |
| --- |
| **KẾT QUẢ** |
| CREATE DATABASE IF NOT EXISTS `assignment` /\*!40100 DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4\_general\_ci \*/ /\*!80016 DEFAULT ENCRYPTION='N' \*/;  USE `assignment`;  -- MySQL dump 10.13 Distrib 8.0.34, for Win64 (x86\_64)  --  -- Host: 127.0.0.1 Database: assignment  -- ------------------------------------------------------  -- Server version 8.2.0  /\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;  /\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;  /\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;  /\*!50503 SET NAMES utf8 \*/;  /\*!40103 SET @OLD\_TIME\_ZONE=@@TIME\_ZONE \*/;  /\*!40103 SET TIME\_ZONE='+00:00' \*/;  /\*!40014 SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0 \*/;  /\*!40014 SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0 \*/;  /\*!40101 SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='NO\_AUTO\_VALUE\_ON\_ZERO' \*/;  /\*!40111 SET @OLD\_SQL\_NOTES=@@SQL\_NOTES, SQL\_NOTES=0 \*/;  --  -- Table structure for table `phieu\_muon`  --  DROP TABLE IF EXISTS `phieu\_muon`;  /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;  /\*!50503 SET character\_set\_client = utf8mb4 \*/;  CREATE TABLE `phieu\_muon` (  `ma\_phieu` varchar(10) COLLATE utf8mb4\_general\_ci NOT NULL,  `ngay\_muon` date DEFAULT NULL,  `ngay\_tra` date DEFAULT NULL,  `trang\_thai` varchar(10) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `ma\_sinh\_vien` varchar(7) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  PRIMARY KEY (`ma\_phieu`),  KEY `ma\_sinh\_vien` (`ma\_sinh\_vien`),  CONSTRAINT `phieu\_muon\_ibfk\_1` FOREIGN KEY (`ma\_sinh\_vien`) REFERENCES `sinh\_vien` (`ma\_sinh\_vien`),  CONSTRAINT `muon\_tra` CHECK ((`ngay\_muon` <= `ngay\_tra`))  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;  /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;  --  -- Dumping data for table `phieu\_muon`  --  LOCK TABLES `phieu\_muon` WRITE;  /\*!40000 ALTER TABLE `phieu\_muon` DISABLE KEYS \*/;  INSERT INTO `phieu\_muon` VALUES ('D1','2017-05-04','2017-05-11','Đã trả','PA0829'),('D2','2017-03-25','2017-04-02','Đã trả','PA0485'),('D3','2017-04-10','2017-04-17','Đã trả','PA0832'),('H1','2017-07-12','2017-07-19','Chưa trả','PA0943'),('K1','2017-06-22','2017-06-29','Chưa trả','PA0333'),('K2','2017-01-11','2017-01-18','Đã trả','PA0399'),('L1','2017-10-01','2017-10-07','Chưa trả','PA0189'),('L2','2017-05-05','2017-05-12','Chưa trả','PA0294'),('T1','2017-11-08','2017-11-15','Chưa trả','PA0239'),('V1','2017-01-18','2017-01-25','Đã trả','PA0471');  /\*!40000 ALTER TABLE `phieu\_muon` ENABLE KEYS \*/;  UNLOCK TABLES;  --  -- Table structure for table `phieu\_muon\_chi\_tiet`  --  DROP TABLE IF EXISTS `phieu\_muon\_chi\_tiet`;  /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;  /\*!50503 SET character\_set\_client = utf8mb4 \*/;  CREATE TABLE `phieu\_muon\_chi\_tiet` (  `ma\_phieu\_muon\_chi\_tiet` varchar(10) COLLATE utf8mb4\_general\_ci NOT NULL,  `ma\_phieu` varchar(10) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `ma\_sach` varchar(10) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `ghi\_chu` varchar(255) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  PRIMARY KEY (`ma\_phieu\_muon\_chi\_tiet`),  KEY `ma\_phieu` (`ma\_phieu`),  KEY `ma\_sach` (`ma\_sach`),  CONSTRAINT `phieu\_muon\_chi\_tiet\_ibfk\_1` FOREIGN KEY (`ma\_phieu`) REFERENCES `phieu\_muon` (`ma\_phieu`),  CONSTRAINT `phieu\_muon\_chi\_tiet\_ibfk\_2` FOREIGN KEY (`ma\_sach`) REFERENCES `sach` (`ma\_sach`)  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;  /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;  --  -- Dumping data for table `phieu\_muon\_chi\_tiet`  --  LOCK TABLES `phieu\_muon\_chi\_tiet` WRITE;  /\*!40000 ALTER TABLE `phieu\_muon\_chi\_tiet` DISABLE KEYS \*/;  INSERT INTO `phieu\_muon\_chi\_tiet` VALUES ('MPM01','D1','1A','Chưa trả sách'),('MPM010','K2','3C','Đã trả sách'),('MPM02','H1','2B','Đã trả sách'),('MPM03','D2','3C','Đã trả sách'),('MPM04','T1','4D','Chưa trả sách'),('MPM05','V1','5E','Chưa trả sách'),('MPM06','D3','1A','Đã trả sách'),('MPM07','L1','4D','Chưa trả sách'),('MPM08','L2','2B','Đã trả sách'),('MPM09','K1','4D','Chưa trả sách');  /\*!40000 ALTER TABLE `phieu\_muon\_chi\_tiet` ENABLE KEYS \*/;  UNLOCK TABLES;  --  -- Table structure for table `sach`  --  DROP TABLE IF EXISTS `sach`;  /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;  /\*!50503 SET character\_set\_client = utf8mb4 \*/;  CREATE TABLE `sach` (  `ma\_sach` varchar(7) COLLATE utf8mb4\_general\_ci NOT NULL,  `ten\_sach` varchar(45) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `nxb` varchar(45) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `tac\_gia` varchar(45) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `so\_trang` int DEFAULT NULL,  `so\_luong` int DEFAULT NULL,  `gia\_tien` decimal(10,3) DEFAULT NULL,  `ngay\_nhap\_kho` date DEFAULT NULL,  `vi\_tri` varchar(45) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `ma\_the\_loai` varchar(45) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `ban\_sao` int DEFAULT NULL,  PRIMARY KEY (`ma\_sach`),  KEY `ma\_the\_loai` (`ma\_the\_loai`),  CONSTRAINT `sach\_ibfk\_1` FOREIGN KEY (`ma\_the\_loai`) REFERENCES `the\_loai` (`ma\_the\_loai`)  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;  /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;  --  -- Dumping data for table `sach`  --  LOCK TABLES `sach` WRITE;  /\*!40000 ALTER TABLE `sach` DISABLE KEYS \*/;  INSERT INTO `sach` VALUES ('1A','SQL','FPT','Bảo Ninh',156,92,150000.000,'2014-01-01','a1','KT',1),('2B','Javascript','TDT','Stephen Hawking',756,25,210000.000,'2014-01-02','b2','VH',10),('3C','Photoshop','UEF','Dương Thuỵ',456,74,470000.000,'2015-01-01','c3','IT',5),('4D','HTML','NTT','Sơn Nam',656,54,220000.000,'2015-01-02','d4','DL',12),('5E','English','UPT','J.K.Rowling',256,78,180000.000,'2015-01-03','e5','NN',2),('6F','Javascript','FPT','Bảo Ninh',424,63,580000.000,'2014-01-03','f6','VH',5),('7H','English','UEF','Sơn Nam',646,24,431200.000,'2013-01-01','h7','NN',12),('8I','Photoshop','FPT','Dương Thuỵ',735,16,87710.000,'2013-01-02','i8','IT',8),('9U','HTML','TDT','Stephen Hawking',811,21,275000.000,'2017-01-01','u9','DL',9),('Z10','SQL','NTT','J.K.Rowling',429,33,654000.000,'2017-01-02','z10','KT',11);  /\*!40000 ALTER TABLE `sach` ENABLE KEYS \*/;  UNLOCK TABLES;  --  -- Table structure for table `sinh\_vien`  --  DROP TABLE IF EXISTS `sinh\_vien`;  /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;  /\*!50503 SET character\_set\_client = utf8mb4 \*/;  CREATE TABLE `sinh\_vien` (  `ma\_sinh\_vien` varchar(7) COLLATE utf8mb4\_general\_ci NOT NULL,  `ten\_sinh\_vien` varchar(45) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `chuyen\_nganh` varchar(45) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `email` varchar(45) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  `sdt` int DEFAULT NULL,  PRIMARY KEY (`ma\_sinh\_vien`)  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;  /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;  --  -- Dumping data for table `sinh\_vien`  --  LOCK TABLES `sinh\_vien` WRITE;  /\*!40000 ALTER TABLE `sinh\_vien` DISABLE KEYS \*/;  INSERT INTO `sinh\_vien` VALUES ('PA0189','Ngô Minh Kiên','DDT','kiennmPA0239@fpt.edu.vn',582313145),('PA0239','Thạch Nhật Tiến','QTKD','tientnPA0239@fpt.edu.vn',832732442),('PA0294','Đinh Văn Long','TĐH','longdvps12395@fpt.edu.vn',239934356),('PA0333','Trần Nam Kiệt','TKĐH','kiettnPA0239@fpt.edu.vn',823823952),('PA0399','Trần Thị Mỹ Linh','K-Beauty','linhttmps12395@fpt.edu.vn',812838313),('PA0471','Trần Thị Thuý Vân','K-Beauty','vanntbPA09765@fpt.edu.vn',412738534),('PA0485','Trần Quốc Dũng','TKĐH','dungnhps34854@fpt.edu.vn',732524424),('PA0829','Nguyễn Hoàng Duy','CNTT','duynhPA0829@fpt.edu.vn',919993715),('PA0832','Nguyễn Xuân Đào','QTKD','daonxPA0239@fpt.edu.vn',424231234),('PA0943','Nguyễn Đăng Hưng','TĐH','hungnvPA0943@fpt.edu.vn',943247731);  /\*!40000 ALTER TABLE `sinh\_vien` ENABLE KEYS \*/;  UNLOCK TABLES;  --  -- Table structure for table `the\_loai`  --  DROP TABLE IF EXISTS `the\_loai`;  /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;  /\*!50503 SET character\_set\_client = utf8mb4 \*/;  CREATE TABLE `the\_loai` (  `ma\_the\_loai` varchar(10) COLLATE utf8mb4\_general\_ci NOT NULL,  `ten\_loai` varchar(50) COLLATE utf8mb4\_general\_ci DEFAULT NULL,  PRIMARY KEY (`ma\_the\_loai`)  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;  /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;  --  -- Dumping data for table `the\_loai`  --  LOCK TABLES `the\_loai` WRITE;  /\*!40000 ALTER TABLE `the\_loai` DISABLE KEYS \*/;  INSERT INTO `the\_loai` VALUES ('DL','Du lịch'),('IT','Công nghệ thông tin'),('KT','Kinh tế'),('NN','Ngoại ngữ'),('VH','Văn học');  /\*!40000 ALTER TABLE `the\_loai` ENABLE KEYS \*/;  UNLOCK TABLES;  /\*!40103 SET TIME\_ZONE=@OLD\_TIME\_ZONE \*/;  /\*!40101 SET SQL\_MODE=@OLD\_SQL\_MODE \*/;  /\*!40014 SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS \*/;  /\*!40014 SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS \*/;  /\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;  /\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;  /\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;  /\*!40111 SET SQL\_NOTES=@OLD\_SQL\_NOTES \*/;  -- Dump completed on 2024-02-23 0:20:44 |