Actividad 4 challenge 8

```
CREATE DATABASE  IF NOT EXISTS `developers` /*!40100 DEFAULT (
USE `developers`;
-- MySQL dump 10.13  Distrib 8.0.31, for Win64 (x86_64)
--
-- Host: localhost    Database: developrs
-- ------------------------------------------------------
-- Server version   8.0.31

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULT
/*!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
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOR
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--
-- Table structure for table `hub`
--

DROP TABLE IF EXISTS `hub`;
/*!40101 SET @saved_cs_client     = @@character_set_client */
/*!50503 SET character_set_client = utf8 */;
CREATE TABLE `hub` (
  `id` tinyint unsigned NOT NULL AUTO_INCREMENT,
  `nombre` varchar(45) CHARACTER SET utf8 COLLATE utf8_genera
  `provincia` char(2) CHARACTER SET utf8 COLLATE utf8_spanish_
  PRIMARY KEY (`id`),
  KEY `fk_hub_provincia_idx` (`provincia`),
  CONSTRAINT `fk_hub_provincia` FOREIGN KEY (`provincia`) REFE
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8 COLLATE=
```

```
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `hub`
--

LOCK TABLES `hub` WRITE;
/*!40000 ALTER TABLE `hub` DISABLE KEYS */;
INSERT INTO `hub` VALUES (1,'Campus Madrid by Google','28'),(
/*!40000 ALTER TABLE `hub` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `programador`
--

DROP TABLE IF EXISTS `programador`;
/*!40101 SET @saved_cs_client     = @@character_set_client */
/*!50503 SET character_set_client = utf8 */;
CREATE TABLE `programador` (
  `idProgramador` tinyint unsigned NOT NULL AUTO_INCREMENT,
  `dni` varchar(9) CHARACTER SET utf8 COLLATE utf8_spanish_ci
  `nombreP` varchar(100) CHARACTER SET utf8 COLLATE utf8_span
  `ap1` varchar(100) CHARACTER SET utf8 COLLATE utf8_spanish_
  `ap2` varchar(100) CHARACTER SET utf8 COLLATE utf8_spanish_
  `salario` smallint unsigned NOT NULL,
  `hub` tinyint unsigned NOT NULL,
  `seccion` tinyint unsigned NOT NULL,
  PRIMARY KEY (`idProgramador`),
  UNIQUE KEY `dni` (`dni`),
  KEY `fk_programador_hub1_idx` (`hub`),
  KEY `fk_programador_seccion1_idx` (`seccion`),
  CONSTRAINT `fk1` FOREIGN KEY (`hub`) REFERENCES `hub` (`id`
  CONSTRAINT `fk2` FOREIGN KEY (`seccion`) REFERENCES `seccio
) ENGINE=InnoDB AUTO_INCREMENT=15 DEFAULT CHARSET=utf8 COLLATE
/*!40101 SET character_set_client = @saved_cs_client */;

--
```

```
-- Dumping data for table `programador`
--

LOCK TABLES `programador` WRITE;
/*!40000 ALTER TABLE `programador` DISABLE KEYS */;
INSERT INTO `programador` VALUES (1,'25498262W','Javier','Gal
/*!40000 ALTER TABLE `programador` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `provincia`
--

DROP TABLE IF EXISTS `provincia`;
/*!40101 SET @saved_cs_client     = @@character_set_client */
/*!50503 SET character_set_client = utf8 */;
CREATE TABLE `provincia` (
  `codigo` char(2) CHARACTER SET utf8 COLLATE utf8_spanish_ci
  `nombreProvincia` varchar(45) CHARACTER SET utf8 COLLATE ut
  PRIMARY KEY (`codigo`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb3 COLLATE=utf8_spanish_
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `provincia`
--

LOCK TABLES `provincia` WRITE;
/*!40000 ALTER TABLE `provincia` DISABLE KEYS */;
INSERT INTO `provincia` VALUES ('01','Álava'),('02','Albacete
/*!40000 ALTER TABLE `provincia` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `seccion`
--

DROP TABLE IF EXISTS `seccion`;
```

```
/*!40101 SET @saved_cs_client     = @@character_set_client */
/*!50503 SET character_set_client = utf8 */;
CREATE TABLE `seccion` (
  `idSeccion` tinyint unsigned NOT NULL AUTO_INCREMENT,
  `nombreS` varchar(99) NOT NULL,
  `partidaEconomica` double unsigned NOT NULL,
  `desembolso` double unsigned NOT NULL,
  PRIMARY KEY (`idSeccion`)
) ENGINE=InnoDB AUTO_INCREMENT=8 DEFAULT CHARSET=utf8 COLLATE
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `seccion`
--

LOCK TABLES `seccion` WRITE;
/*!40000 ALTER TABLE `seccion` DISABLE KEYS */;
INSERT INTO `seccion` VALUES (1,'Frontend',230000,7000),(2,'B
/*!40000 ALTER TABLE `seccion` 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 2023-02-28 10:52:01
```

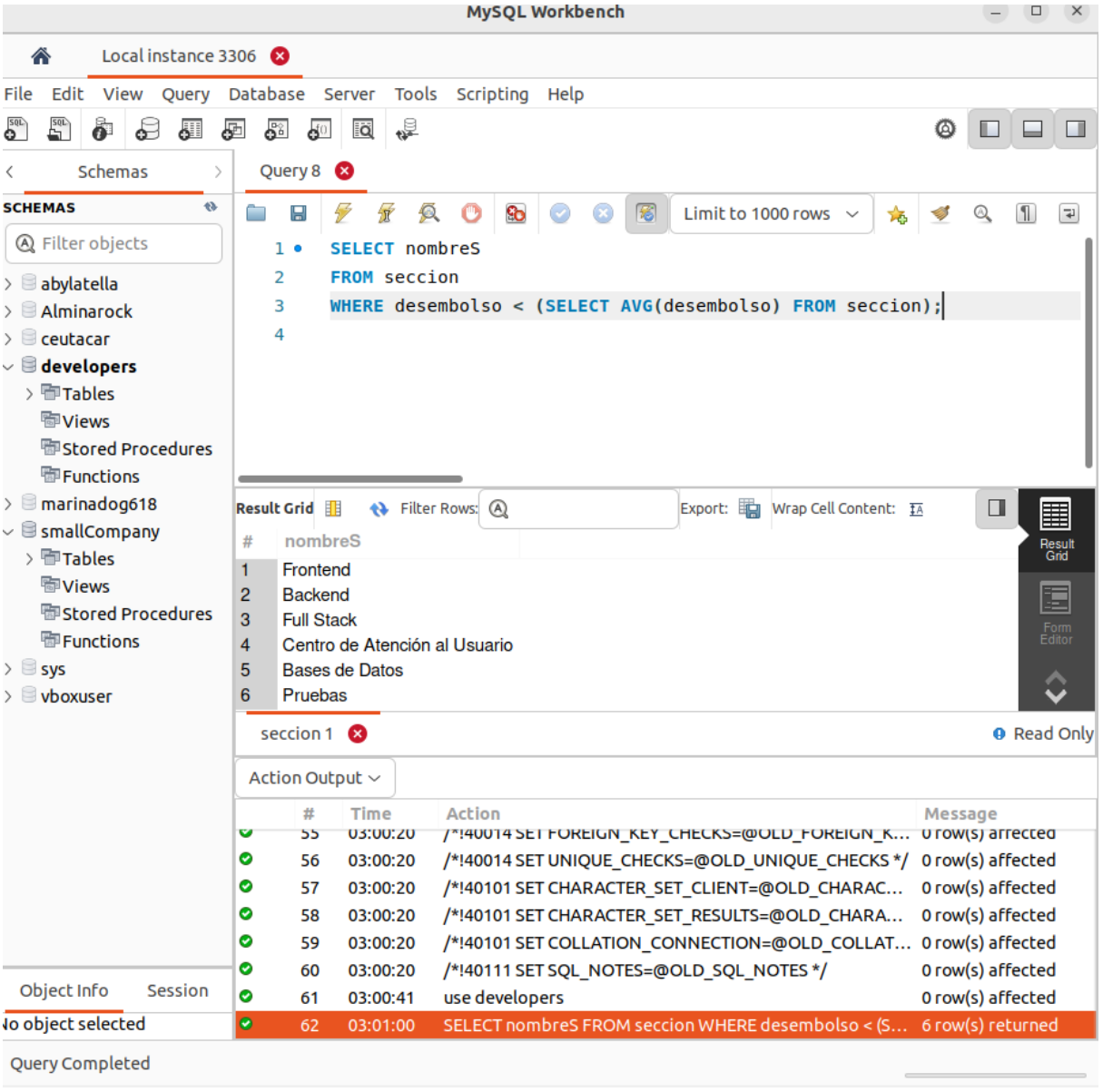
developersok (1).sql

1. **Seleccionar el nombre de la sección con la menor partida económica:**

```
SELECT nombreS
FROM seccion
WHERE partidaEconomica = (SELECT MIN(partidaEconomica) FRO
```

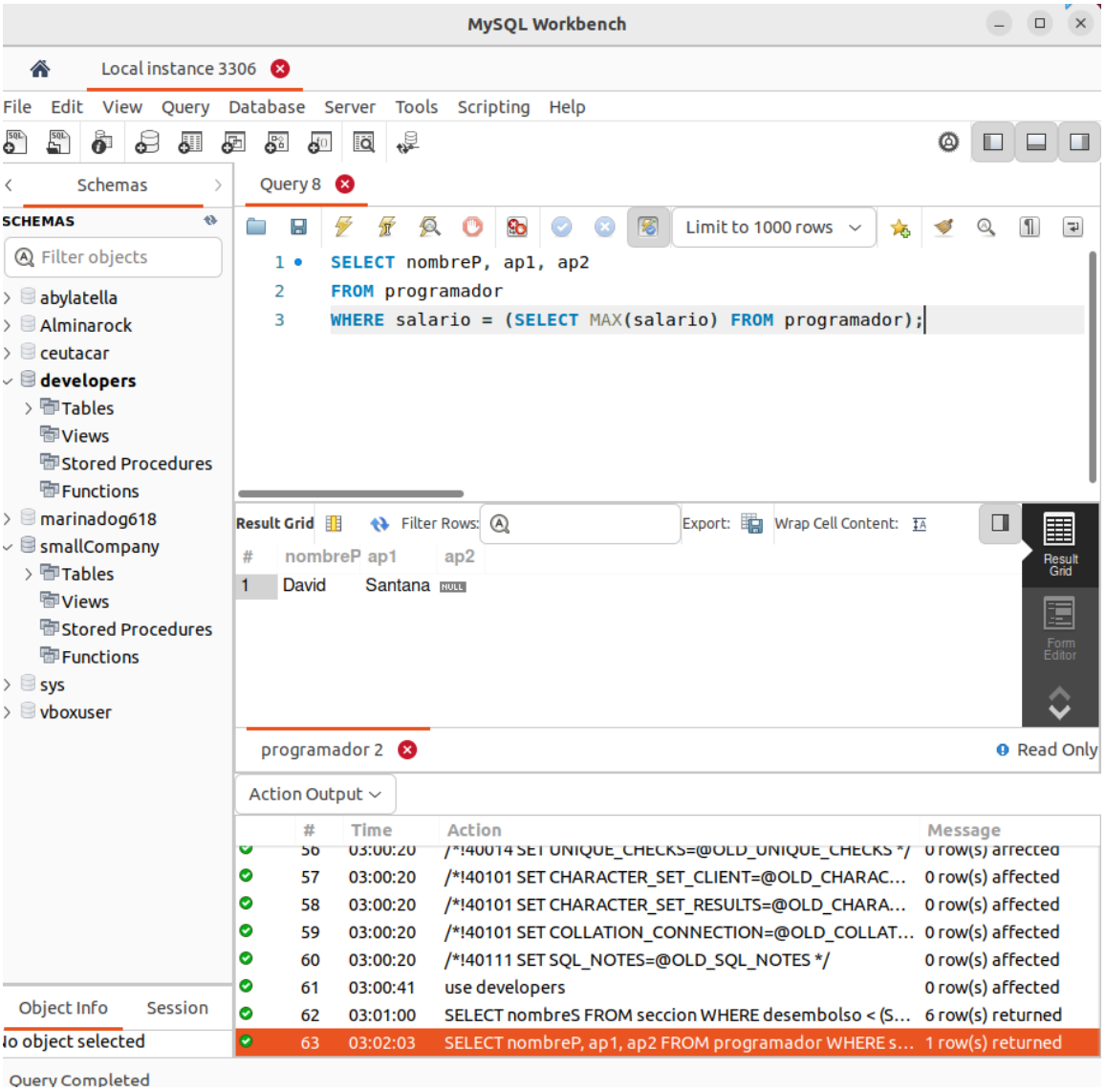
1. **Seleccionar el nombre de las secciones cuyo desembolso sea menor que el desembolso medio de todas las secciones:**

```
SELECT nombreS
FROM seccion
WHERE desembolso < (SELECT AVG(desembolso) FROM seccion);
```



1. **Seleccionar el nombre completo del programador con el mayor salario:**

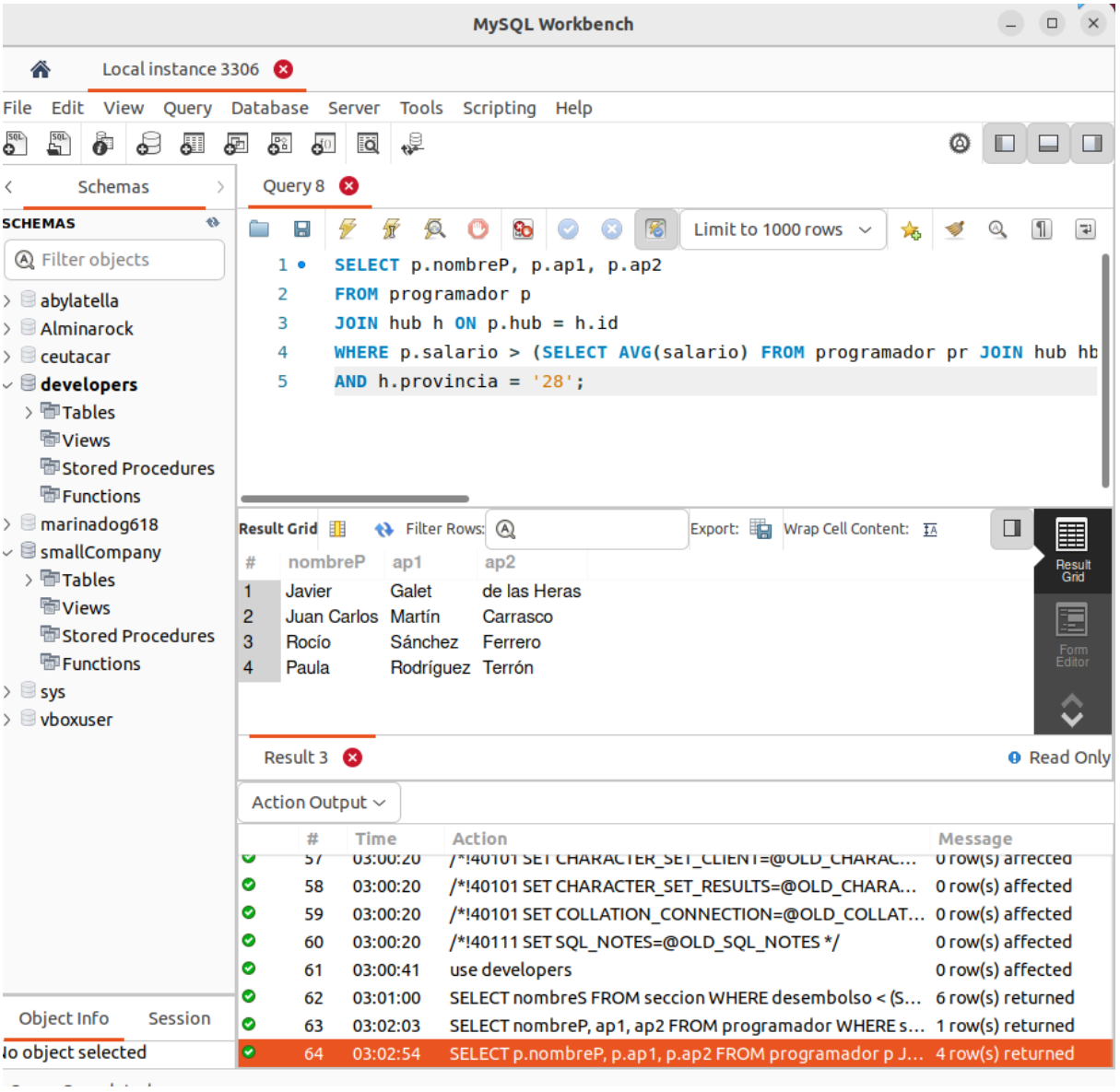
```
SELECT nombreP, ap1, ap2
FROM programador
WHERE salario = (SELECT MAX(salario) FROM programador);
```



2. **Seleccionar el nombre completo de los programadores cuyo salario sea mayor que el salario medio de todos los desarrolladores que trabajan en Madrid:**

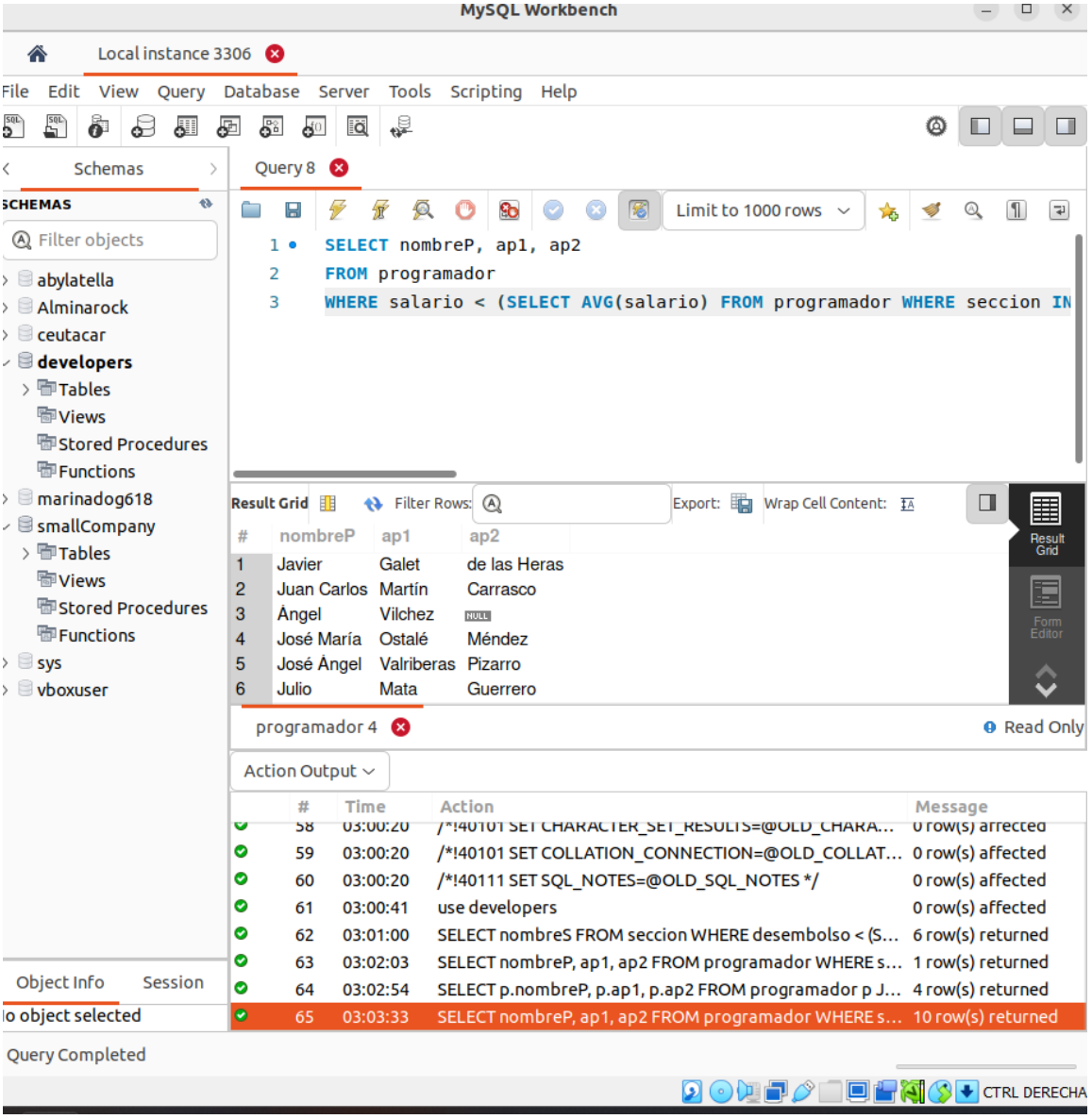
```
SELECT p.nombreP, p.ap1, p.ap2
FROM programador p
JOIN hub h ON p.hub = h.id
```

```
WHERE p.salario > (SELECT AVG(salario) FROM programador pr
AND h.provincia = '28';
```



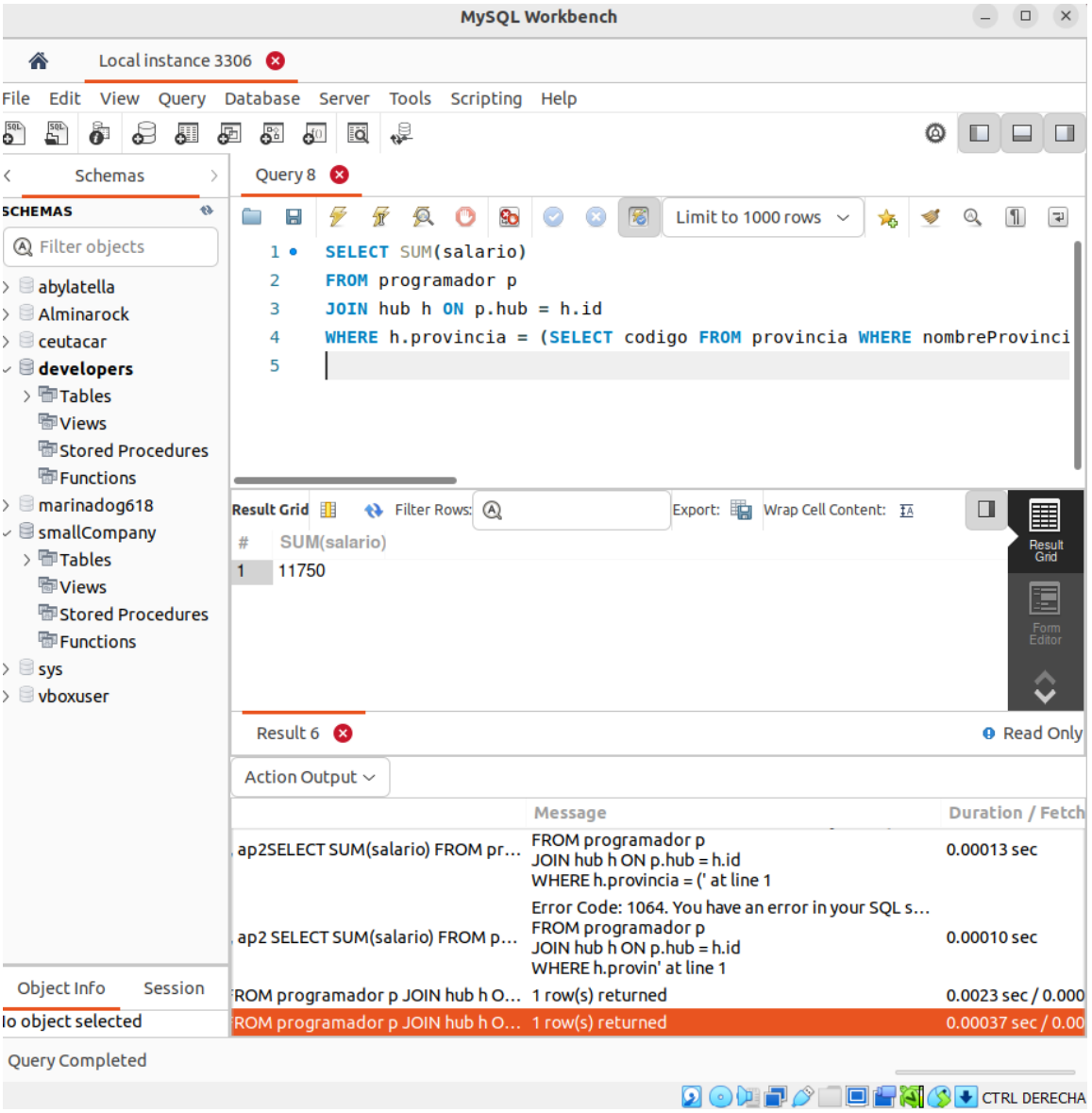
1. **Seleccionar el nombre completo del programador cuyo salario sea menor que el salario medio de todos los programadores que trabajan en Backend o Frontend:**

```
SELECT nombreP, ap1, ap2
FROM programador
WHERE salario < (SELECT AVG(salario) FROM programador WHER
```



2. **Seleccionar la suma de todos los salarios cuyo hub se encuentre en Málaga:**

```
SELECT SUM(salario)
FROM programador p
JOIN hub h ON p.hub = h.id
WHERE h.provincia = (SELECT codigo FROM provincia WHERE no
```


MySQL Workbench
Local instance 3306
File Edit View Query Database Server Tools Scripting Help
Schemas
SCHEMAS
Filter objects
abylatella
Alminarock
ceutacar
developers
Tables
Views
Stored Procedures
Functions
marinadog618
smallCompany
Tables
Views
Stored Procedures
Functions
sys
vboxuser
Object Info
Session
lo object selected
Query 8
Limit to 1000 rows
1 SELECT SUM(salario)
2 FROM programador p
3 JOIN hub h ON p.hub = h.id
4 WHERE h.provincia = (SELECT codigo FROM provincia WHERE nombreProvinci
5
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
SUM(salario)
1 11750
Result Grid
Form Editor
Result 6
Read Only
Action Output
Message
Duration / Fetch
ap2SELECT SUM(salario) FROM pr...
FROM programador p
JOIN hub h ON p.hub = h.id
WHERE h.provincia = (' at line 1
0.00013 sec
ap2 SELECT SUM(salario) FROM p...
Error Code: 1064. You have an error in your SQL s...
FROM programador p
JOIN hub h ON p.hub = h.id
WHERE h.provin' at line 1
0.00010 sec
ROM programador p JOIN hub h O...
1 row(s) returned
0.0023 sec / 0.000
ROM programador p JOIN hub h O...
1 row(s) returned
0.00037 sec / 0.00
Query Completed
CTRL DERECHA