

```

CREATE DATABASE IF NOT EXISTS `natural_disasters` /*!40100 DEFAULT CHARACTER SET
utf8 */ /*!80016 DEFAULT ENCRYPTION='N' */;
USE `natural_disasters`;
-- MySQL dump 10.13 Distrib 8.0.30, for Win64 (x86_64)
--
-- Host: localhost Database: natural_disasters
--
-----
-- Server version 8.0.28

/*!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 */;

--
-- Temporary view structure for view `avg_cost`
--

DROP TABLE IF EXISTS `avg_cost`;
/*!50001 DROP VIEW IF EXISTS `avg_cost`*/;
SET @saved_cs_client = @@character_set_client;
/*!50503 SET character_set_client = utf8mb4 */;
/*!50001 CREATE VIEW `avg_cost` AS SELECT
  1 AS `name`,
  1 AS `avg_cost`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `deadly_events`
--

DROP TABLE IF EXISTS `deadly_events`;
/*!50001 DROP VIEW IF EXISTS `deadly_events`*/;
SET @saved_cs_client = @@character_set_client;
/*!50503 SET character_set_client = utf8mb4 */;
/*!50001 CREATE VIEW `deadly_events` AS SELECT
  1 AS `name`,
  1 AS `deaths`*/;
SET character_set_client = @saved_cs_client;

--
-- Table structure for table `event`
--

DROP TABLE IF EXISTS `event`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `event` (
  `event_id` int NOT NULL AUTO_INCREMENT,
  `name` varchar(100) NOT NULL,
  `damage_cost` decimal(15,2) NOT NULL,
  `deaths` int NOT NULL,
  `injured` int DEFAULT NULL,

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`occurrences` int NOT NULL,
`start_date` date NOT NULL,
`end_date` date NOT NULL,
`state_state_id` int NOT NULL,
`end_state_id` int NOT NULL,
`type_id` int NOT NULL,
PRIMARY KEY (`event_id`,`type_id`,`end_state_id`,`state_state_id`),
KEY `fk_event_state1_idx` (`state_state_id`),
KEY `fk_event_state2_idx` (`end_state_id`),
KEY `fk_event_type1_idx` (`type_id`),
CONSTRAINT `fk_event_state1` FOREIGN KEY (`state_state_id`) REFERENCES `state`
(`state_id`),
CONSTRAINT `fk_event_state2` FOREIGN KEY (`end_state_id`) REFERENCES `state`
(`state_id`),
CONSTRAINT `fk_event_type1` FOREIGN KEY (`type_id`) REFERENCES `type` (`type_id`)
) ENGINE=InnoDB AUTO_INCREMENT=16 DEFAULT CHARSET=utf8mb3;
/*!40101 SET character_set_client = @saved_cs_client */;

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```
-- Dumping data for table `event`
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LOCK TABLES `event` WRITE;
/*!40000 ALTER TABLE `event` DISABLE KEYS */;
INSERT INTO `event` VALUES (1,'2021 Kansas wildfire
outbreak',2300000.00,2,3,16,'2021-12-15','2021-12-23',1,1,1),(2,'Tornado outbreak
of December 10 and 11, 2021',3900000000.00,89,672,71,'2021-12-10','2021-12-
11',2,3,2),(3,'Hurricane Ida',7525000000.00,107,NULL,1,'2021-08-26','2021-09-
05',51,51,3),(4,'2020 California Wildfires',12079000000.00,33,37,9917,'2020-05-
03','2021-01-06',4,4,1),(5,'August 2020 Midwest
derecho',11200000000.00,4,NULL,25,'2020-08-10','2020-08-11',5,6,5),(6,'Hurricane
Eta',8300000000.00,172,NULL,1,'2020-10-31','2020-11-14',51,7,3),(7,'Hurricane
Zeta',4400000000.00,9,NULL,1,'2020-10-24','2020-10-30',51,51,3),(8,'Hurricane
Delta',3090000000.00,2,NULL,1,'2020-10-04','2020-10-12',51,8,3),(9,'Hurricane
Sally',7300000000.00,4,NULL,1,'2020-09-11','2020-09-18',51,9,3),(10,'Hurricane
Laura',19100000000.00,47,NULL,1,'2020-08-20','2020-08-29',51,9,3),(11,'Hurricane
Isaias',4730000000.00,17,NULL,1,'2020-07-30','2020-08-05',51,51,3),(12,'Hurricane
Hanna',1200000000.00,4,NULL,1,'2020-07-23','2020-07-26',51,51,3),(13,'Tropical
Storm Imelda',5000000000.00,6,NULL,1,'2019-09-17','2019-09-19',10,2,6),(14,'2019
Ridgecrest earthquakes',5300000000.00,1,25,3,'2019-07-04','2019-07-05',4,4,7),
(15,'2018 California wildfires',26347000000.00,103,80,8527,'2018-02-18','2018-12-
07',4,4,3);
/*!40000 ALTER TABLE `event` ENABLE KEYS */;
UNLOCK TABLES;

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```
-- Table structure for table `location_event`
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DROP TABLE IF EXISTS `location_event`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `location_event` (
  `event_id` int NOT NULL,
  `region_id` int NOT NULL,
  PRIMARY KEY (`event_id`,`region_id`),
  KEY `fk_location_event_event1_idx` (`event_id`),
  KEY `fk_location_event_region1_idx` (`region_id`),
  CONSTRAINT `fk_location_event_event1` FOREIGN KEY (`event_id`) REFERENCES `event`

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(`event_id`),
  CONSTRAINT `fk_location_event_region1` FOREIGN KEY (`region_id`) REFERENCES
`region` (`region_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb3;
/*!40101 SET character_set_client = @saved_cs_client */;
```

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```
-- Dumping data for table `location_event`
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```
LOCK TABLES `location_event` WRITE;
/*!40000 ALTER TABLE `location_event` DISABLE KEYS */;
INSERT INTO `location_event` VALUES (1,5),(2,4),(2,5),(3,1),(3,4),(4,3),(5,5),
(6,4),(7,4),(8,1),(8,4),(9,4),(10,4),(10,5),(11,1),(11,4),(12,2),(13,2),(13,4),
(14,3),(15,3);
/*!40000 ALTER TABLE `location_event` ENABLE KEYS */;
UNLOCK TABLES;
```

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```
-- Temporary view structure for view `number_in_database`
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```
DROP TABLE IF EXISTS `number_in_database`;
/*!50001 DROP VIEW IF EXISTS `number_in_database`*/;
SET @saved_cs_client      = @@character_set_client;
/*!50503 SET character_set_client = utf8mb4 */;
/*!50001 CREATE VIEW `number_in_database` AS SELECT
  1 AS `name`,
  1 AS `number_in_database`*/;
SET character_set_client = @saved_cs_client;
```

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```
-- Table structure for table `recovery_event`
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```

```
DROP TABLE IF EXISTS `recovery_event`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `recovery_event` (
  `event_id` int NOT NULL,
  `recovery_org_id` int NOT NULL,
  PRIMARY KEY (`event_id`,`recovery_org_id`),
  KEY `fk_recovery_event_event_idx` (`event_id`),
  KEY `fk_recovery_event_recovery_org1` (`recovery_org_id`),
  CONSTRAINT `fk_recovery_event_event` FOREIGN KEY (`event_id`) REFERENCES `event`
(`event_id`),
  CONSTRAINT `fk_recovery_event_recovery_org1` FOREIGN KEY (`recovery_org_id`)
REFERENCES `recovery_org` (`recovery_org_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb3;
/*!40101 SET character_set_client = @saved_cs_client */;
```

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--
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```
-- Dumping data for table `recovery_event`
```

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--
```

```
LOCK TABLES `recovery_event` WRITE;
/*!40000 ALTER TABLE `recovery_event` DISABLE KEYS */;
INSERT INTO `recovery_event` VALUES (1,1),(1,2),(2,3),(2,14),(3,4),(3,14),(4,5),
(5,1),(5,14),(6,6),(6,7),(6,14),(7,1),(7,14),(8,3),(8,14),(9,3),(9,8),(9,14),
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```
(10,9),(10,14),(11,3),(11,10),(11,14),(12,3),(12,14),(13,11),(13,14),(14,2),
(15,13);
/*!40000 ALTER TABLE `recovery_event` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `recovery_level`
--
```

```
DROP TABLE IF EXISTS `recovery_level`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `recovery_level` (
  `recovery_level_id` int NOT NULL AUTO_INCREMENT,
  `level` varchar(45) NOT NULL,
  PRIMARY KEY (`recovery_level_id`)
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8mb3;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `recovery_level`
--
```

```
LOCK TABLES `recovery_level` WRITE;
/*!40000 ALTER TABLE `recovery_level` DISABLE KEYS */;
INSERT INTO `recovery_level` VALUES (1,'Federal'),(2,'State'),(3,'International');
/*!40000 ALTER TABLE `recovery_level` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `recovery_org`
--
```

```
DROP TABLE IF EXISTS `recovery_org`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `recovery_org` (
  `recovery_org_id` int NOT NULL AUTO_INCREMENT,
  `organization` varchar(100) NOT NULL,
  `recovery_level_id` int NOT NULL,
  PRIMARY KEY (`recovery_org_id`,`recovery_level_id`),
  KEY `fk_recovery_org_recovery_level1_idx` (`recovery_level_id`),
  CONSTRAINT `fk_recovery_org_recovery_level1` FOREIGN KEY (`recovery_level_id`)
REFERENCES `recovery_level` (`recovery_level_id`)
) ENGINE=InnoDB AUTO_INCREMENT=16 DEFAULT CHARSET=utf8mb3;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `recovery_org`
--
```

```
LOCK TABLES `recovery_org` WRITE;
/*!40000 ALTER TABLE `recovery_org` DISABLE KEYS */;
INSERT INTO `recovery_org` VALUES (1,'U.S. Department of Agriculture',1),
(2,'Livestock Indemnity Program',1),(3,'American Red Cross',1),(4,'Louisiana
National Guard',2),(5,'California Department of Forestry and Fire Protection',2),
(6,'International Federation of Red Cross and Red Crescent Societies',3),
(7,'NASA',1),(8,'Florida disaster',2),(9,'SBP',2),(10,'Connecticut National
Guard',2),(11,'Texas National Guard',2),(12,'California National Guard',2),(13,'Cal
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OES',2),(14,'FEMA',1),(15,'UN',3);
/*!40000 ALTER TABLE `recovery_org` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Temporary view structure for view `recovery_programs`
--

DROP TABLE IF EXISTS `recovery_programs`;
/*!50001 DROP VIEW IF EXISTS `recovery_programs`*/;
SET @saved_cs_client      = @@character_set_client;
/*!50503 SET character_set_client = utf8mb4 */;
/*!50001 CREATE VIEW `recovery_programs` AS SELECT
  1 AS `name`,
  1 AS `organization`,
  1 AS `level`*/;
SET character_set_client = @saved_cs_client;

--
-- Table structure for table `region`
--

DROP TABLE IF EXISTS `region`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `region` (
  `region_id` int NOT NULL AUTO_INCREMENT,
  `region` varchar(45) NOT NULL,
  PRIMARY KEY (`region_id`)
) ENGINE=InnoDB AUTO_INCREMENT=6 DEFAULT CHARSET=utf8mb3;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `region`
--

LOCK TABLES `region` WRITE;
/*!40000 ALTER TABLE `region` DISABLE KEYS */;
INSERT INTO `region` VALUES (1,'Northeast'),(2,'Southwest'),(3,'West'),
(4,'Southeast'),(5,'Midwest');
/*!40000 ALTER TABLE `region` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Temporary view structure for view `southeast_events`
--

DROP TABLE IF EXISTS `southeast_events`;
/*!50001 DROP VIEW IF EXISTS `southeast_events`*/;
SET @saved_cs_client      = @@character_set_client;
/*!50503 SET character_set_client = utf8mb4 */;
/*!50001 CREATE VIEW `southeast_events` AS SELECT
  1 AS `name`,
  1 AS `region`*/;
SET character_set_client = @saved_cs_client;

--
-- Table structure for table `state`
--

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```

DROP TABLE IF EXISTS `state`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `state` (
  `state_id` int NOT NULL AUTO_INCREMENT,
  `state` varchar(45) NOT NULL,
  PRIMARY KEY (`state_id`)
) ENGINE=InnoDB AUTO_INCREMENT=52 DEFAULT CHARSET=utf8mb3;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `state`
--

LOCK TABLES `state` WRITE;
/*!40000 ALTER TABLE `state` DISABLE KEYS */;
INSERT INTO `state` VALUES (1,'KS'),(2,'AK'),(3,'KY'),(4,'CA'),(5,'NE'),(6,'IA'),
(7,'VA'),(8,'NC'),(9,'AL'),(10,'TX'),(11,'MD'),(12,'NY'),(13,'SC'),(14,'FL'),
(51,'Outside U.S. ');
/*!40000 ALTER TABLE `state` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `type`
--

DROP TABLE IF EXISTS `type`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `type` (
  `type_id` int NOT NULL AUTO_INCREMENT,
  `name` varchar(45) NOT NULL,
  PRIMARY KEY (`type_id`)
) ENGINE=InnoDB AUTO_INCREMENT=16 DEFAULT CHARSET=utf8mb3;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `type`
--

LOCK TABLES `type` WRITE;
/*!40000 ALTER TABLE `type` DISABLE KEYS */;
INSERT INTO `type` VALUES (1,'Wildfire'),(2,'Tornado'),(3,'Hurricane'),(4,'Winter
storm'),(5,'Derecho'),(6,'Tropical storm'),(7,'Earthquake'),(8,'Flood'),
(9,'Blizzard'),(10,'Snow storm'),(11,'Mudflow'),(12,'Volcano'),(13,'Tsunami'),
(14,'Heat wave'),(15,'Landslide');
/*!40000 ALTER TABLE `type` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Final view structure for view `avg_cost`
--

/*!50001 DROP VIEW IF EXISTS `avg_cost` */;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results     = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8mb4 */;

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/*!50001 SET character_set_results      = utf8mb4 */;
/*!50001 SET collation_connection      = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER='root'@'localhost' SQL SECURITY DEFINER */
/*!50001 VIEW `avg_cost` AS select `type`.`name` AS
`name`,concat('$',convert(format(avg(`event`.`damage_cost`),2) using utf8mb4)) AS
`avg_cost` from (`event` join `type` on((`event`.`type_id` = `type`.`type_id`)))
group by `type`.`name` having (avg(`event`.`damage_cost`) > 100000000000) */;
/*!50001 SET character_set_client      = @saved_cs_client */;
/*!50001 SET character_set_results     = @saved_cs_results */;
/*!50001 SET collation_connection     = @saved_col_connection */;

```

```

--
-- Final view structure for view `deadly_events`
--

```

```

/*!50001 DROP VIEW IF EXISTS `deadly_events` */;
/*!50001 SET @saved_cs_client          = @@character_set_client */;
/*!50001 SET @saved_cs_results         = @@character_set_results */;
/*!50001 SET @saved_col_connection     = @@collation_connection */;
/*!50001 SET character_set_client       = utf8mb4 */;
/*!50001 SET character_set_results      = utf8mb4 */;
/*!50001 SET collation_connection       = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER='root'@'localhost' SQL SECURITY DEFINER */
/*!50001 VIEW `deadly_events` AS select `event`.`name` AS `name`,`event`.`deaths`
AS `deaths` from `event` where (`event`.`deaths` > (select avg(`event`.`deaths`)
from `event`)) */;
/*!50001 SET character_set_client       = @saved_cs_client */;
/*!50001 SET character_set_results      = @saved_cs_results */;
/*!50001 SET collation_connection       = @saved_col_connection */;

```

```

--
-- Final view structure for view `number_in_database`
--

```

```

/*!50001 DROP VIEW IF EXISTS `number_in_database` */;
/*!50001 SET @saved_cs_client          = @@character_set_client */;
/*!50001 SET @saved_cs_results         = @@character_set_results */;
/*!50001 SET @saved_col_connection     = @@collation_connection */;
/*!50001 SET character_set_client       = utf8mb4 */;
/*!50001 SET character_set_results      = utf8mb4 */;
/*!50001 SET collation_connection       = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER='root'@'localhost' SQL SECURITY DEFINER */
/*!50001 VIEW `number_in_database` AS select `type`.`name` AS
`name`,count(`event`.`type_id`) AS `number_in_database` from (`event` join `type`
on((`event`.`type_id` = `type`.`type_id`))) group by `type`.`name` */;
/*!50001 SET character_set_client       = @saved_cs_client */;
/*!50001 SET character_set_results      = @saved_cs_results */;
/*!50001 SET collation_connection       = @saved_col_connection */;

```

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--
-- Final view structure for view `recovery_programs`
--

```

```

/*!50001 DROP VIEW IF EXISTS `recovery_programs` */;
/*!50001 SET @saved_cs_client          = @@character_set_client */;
/*!50001 SET @saved_cs_results         = @@character_set_results */;

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/*!50001 SET @saved_col_connection      = @@collation_connection */;
/*!50001 SET character_set_client        = utf8mb4 */;
/*!50001 SET character_set_results       = utf8mb4 */;
/*!50001 SET collation_connection        = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `recovery_programs` AS select `event`.`name` AS
`name`,`recovery_org`.`organization` AS `organization`,`recovery_level`.`level` AS
`level` from (((`recovery_event` join `event` on((`recovery_event`.`event_id` =
`event`.`event_id`))) join `recovery_org` on((`recovery_event`.`recovery_org_id` =
`recovery_org`.`recovery_org_id`))) join `recovery_level`
on((`recovery_org`.`recovery_level_id` = `recovery_level`.`recovery_level_id`)))
where (`recovery_level`.`level` <> 'International') */;
/*!50001 SET character_set_client        = @saved_cs_client */;
/*!50001 SET character_set_results       = @saved_cs_results */;
/*!50001 SET collation_connection        = @saved_col_connection */;

--
-- Final view structure for view `southeast_events`
--

/*!50001 DROP VIEW IF EXISTS `southeast_events` */;
/*!50001 SET @saved_cs_client            = @@character_set_client */;
/*!50001 SET @saved_cs_results           = @@character_set_results */;
/*!50001 SET @saved_col_connection        = @@collation_connection */;
/*!50001 SET character_set_client          = utf8mb4 */;
/*!50001 SET character_set_results         = utf8mb4 */;
/*!50001 SET collation_connection          = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `southeast_events` AS select `event`.`name` AS
`name`,`region`.`region` AS `region` from ((`location_event` join `event`
on((`location_event`.`event_id` = `event`.`event_id`))) join `region`
on((`location_event`.`region_id` = `region`.`region_id`))) where (`region`.`region`
= 'Southeast') */;
/*!50001 SET character_set_client          = @saved_cs_client */;
/*!50001 SET character_set_results         = @saved_cs_results */;
/*!50001 SET collation_connection          = @saved_col_connection */;
/*!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 2022-12-09 13:46:12
```