

# harj\_tietoruva\_v2.pdf

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## Task 1

```
--  
-- Table structure for table `car`  
--  
  
DROP TABLE IF EXISTS `car`;  
/*!40101 SET @saved_cs_client      = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
CREATE TABLE `car` (  
  `CarID` varchar(7) NOT NULL,  
  `Mark` varchar(40) NOT NULL,  
  `EmployeeID` int(11) NOT NULL,  
  PRIMARY KEY (`CarID`),  
  KEY `Haltija` (`EmployeeID`),  
  CONSTRAINT `car_ibfk_1` FOREIGN KEY (`EmployeeID`) REFERENCES `employee` (`EmployeeID`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;  
/*!40101 SET character_set_client = @saved_cs_client */;  
  
--  
-- Dumping data for table `car`  
--  
  
LOCK TABLES `car` WRITE;  
/*!40000 ALTER TABLE `car` DISABLE KEYS */;  
INSERT INTO `car` VALUES  
(`AAB-233`,`Fiat`,`38503`),  
(`AAF-856`,`Opel`,`155550`),  
(`AAM-227`,`Honda`,`89725`),  
(`AAM-246`,`Opel`,`195894`),  
(`AAP-146`,`Honda`,`37931`),  
(`AAP-411`,`Honda`,`6734`),  
(`AAP-863`,`Honda`,`46433`),  
(`AAQ-985`,`Fiat`,`164917`),  
(`AAS-892`,`Honda`,`153722`),  
(`AAT-288`,`Honda`,`124592`),
```

Created with `mysqldump`

## Task 2

Userdetails are saved to mysql.user table.

Credentials are saved as follows:

- `mysql.db`: Database-level privileges
- `mysql.tables_priv`: Table-level privileges
- `mysql.columns_priv`: Column-level privileges
- `mysql.procs_priv`: Stored procedure and function privileges

		* User char(128)	* Host char(255)	Password longtext
		Filter	Filter	Filter
	>	mariadb.sys	localhost	
	>	root	localhost	*B16BB754F060271BAF02A...
	>	root	raakki	*B16BB754F060271BAF02A...
	>	root	127.0.0.1	*B16BB754F060271BAF02A...
	>	root	::1	*B16BB754F060271BAF02A...
	>	dbuser2	localhost	*9FB2126F7514B6AF42B20E...

		* Host char(255)	* Db char(64)	* User char(128)	* Select_priv enum('N','Y')	* Insert_priv enum('N','Y')	* Update_priv enum('N','Y')	* Delete_priv enum('N','Y')
		Filter	Filter	Filter	Filter	Filter	Filter	Filter
	>	localhost	julkinen	dbuser2	Y	N	N	N

		* Host char(255)	* Db char(64)	* User char(128)	* Table_name char(64)	* Table_priv set('Select','Insert','Updat...
		Filter	Filter	Filter	Filter	Filter
	>	localhost	mysql	mariadb.sys	global_priv	Select,Delete

Task 3

Database Administrator's Checklist

1. Data Minimization

- Collect and store only necessary data.
- Reduces risk and ensures compliance.
- **Source:** [GDPR Article 5\(1\)\(c\)](#)

2. Data Encryption

- Encrypt data at rest and in transit.
- Protects data confidentiality.
- **Source:** [GDPR Article 32\(1\)\(a\)](#)

3. Access Control

- Implement strict access controls.
- Limits data access to authorized personnel.
- **Source:** [GDPR Article 32\(1\)\(b\)](#)

4. Regular Audits

- Conduct regular compliance audits.
- Identifies vulnerabilities and ensures ongoing compliance.
- **Source:** [GDPR Article 24\(1\)](#)

#### 5. **Data Breach Response Plan**

- Maintain a data breach response plan.
- Ensures quick response to breaches.
- **Source:** [GDPR Article 33](#)

#### References

- [Europa GDPR Overview](#)