**Ejercicio 13 – Cines - BASES DE DATOS – 4AO**

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| --- | --- |
| **Alumno:** |  |
| **Fecha:** |  |

1. Crear las tablas “Clientes” y “CreditCard” según las siguientes estructuras respectivamente:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tabla: Clientes** | | | | | | |
| **#** | **CAMPO** | **TIPO** | **INDEX** | **NOT NULL** | **CHARACTER SET** | **COLLATE** |
| **1** | idCliente | INT AUTOINC | PK | X |  |  |
| **2** | NombreCli | VARCHAR(45) |  | X | Default | Default |
| **3** | ApellidoCli | VARCHAR(45) |  | X | Default | Default |
| **4** | MailCli | VARCHAR(50) |  |  | Default | Default |
| **5** | ClaveCli | VARCHAR(45) |  |  | Default | Default |
| **6** | UltTrans | DATE | INDEX |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Index** | | |
| **FK Name** | **Type** | **Index Column** |
| ApeNom | INDEX | Apellido, Nombre |
| UltTrans | INDEX | UltTrans |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tabla: CreditCard** | | | | | | |
| **#** | **CAMPO** | **TIPO** | **INDEX** | **NOT NULL** | **CHARACTER SET** | **COLLATE** |
| **1** | Id | INT | PRIMARY | X |  |  |
| **2** | idCcard | VARCHAR(16) | UNIQUE | X | Default | Default |
| **3** | idCliente | INT | INDEX | X |  |  |
| **4** | CCTitular | VARCHAR(45) |  | X | Default | Default |
| **5** | Emisor | VARCHAR(45) |  | X | Default | Default |
| **6** | CCVenc | VARCHAR(4) |  | X | Default | Default |
| **7** | CCCodSeg | VARCHAR(4) |  | X | Default | Default |
| **8** | Estado | VARCHAR(1) |  | X | Default | Default |

|  |  |  |
| --- | --- | --- |
| **Index** | | |
| **FK Name** | **Type** | **Index Column** |
| idCliente | INDEX | idCliente |
| idCcard\_U | UNIQUE | idCcard |

|  |  |  |  |
| --- | --- | --- | --- |
| **Foreign Key** | | | |
| **FK Name** | **Reference Table** | **Column** | **Reference Column** |
| FKidClienteCC | Clientes | idCliente | Clientes.idCliente |

1. lnsertar los siguientes datos en las tablas “clientes” y “creditcard” respectivamente:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **idCliente** | **NombreCli** | **ApellidoCli** | **MailCli** | **ClaveCli** | **UltTrans** |
| 1 | Andrea | Rodriguez | [arodriguez@gmail.com](mailto:arodriguez@gmail.com) |  | 19/2/2020 |
| 2 | Carlos | Perez | [carlos\_perez23@yahoo.com](mailto:carlos_perez23@yahoo.com) |  | 15/12/2019 |
| 3 | Alicia | Lopez | [alopez@uol.com](mailto:alopez@uol.com) |  | 12/3/2020 |
| 4 | Roberto | Carlos | [robert\_charles@hotmail.com](mailto:robert_charles@hotmail.com) | | 8/10/2019 |
| 5 | Jose | Rodriguez | [jrodriguez@gmail.com](mailto:jrodriguez@gmail.com) |  | 2/8/2019 |
| 6 | Ana | Garcia | [anita\_garcia88@yahoo.com](mailto:anita_garcia88@yahoo.com) |  | 18/1/2020 |
| 7 | Maria | Gonzalez | [mary\_gonzalez@gmail.com](mailto:mary_gonzalez@gmail.com) |  | 11/1/2020 |
| 8 | Claudio | Martinez | [cmartinez@yahoo.com](mailto:cmartinez@yahoo.com) |  | 3/3/2020 |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **idCcard** | **idCliente** | **CCTitular** | **Emisor** | **CCVenc** | **CCCodSeg** | **Estado** |
| 1111 2222 3333 4444 | 1 | ANDREA LUCIA RODRIGUEZ | AMEX | 1021 | 012 | A |
| 2233 1212 3444 2345 | 2 | CARLOS PEREZ | VISA GALICIA | 0822 | 122 | A |
| 0123 3455 1892 2000 | 3 | ALICIA KARINA LOPEZ | VISA | 1220 | 922 | A |
| 9090 2345 5678 1255 | 4 | ROBERTO CARLOS | VISA ICBC | 1219 | 023 | I |
| 0112 1222 4566 0890 | 5 | JOSE LUIS RODRIGUEZ | AMEX | 0321 | 111 | A |
| 1100 2200 4400 0022 | 6 | ANA GARCIA | MASTER CIUDAD | 0821 | 988 | A |
| 0012 2300 5060 9900 | 7 | MARIA GONZALEZ | VISA | 1022 | 796 | A |
| 0345 4560 2233 0110 | 8 | CLAUDIO O MARTINEZ | VISA GALICIA | 1220 | 100 | A |

1. Realizar los siguientes inserts en la tabla CreditCard y justificar que sucede:

**A)**

**INSERT** **INTO** cinesdb.creditcard (idCCard,idCliente,CCTitular,Emisor,CCVenc,CCCodSeg,Estado) **VALUES** ("0112122245660890", 4, "ROBERTO CARLOS", "AMEX", "1023", "555", "A");

**B)**

**INSERT** **INTO** cinesdb.creditcard (idCCard,idCliente,CCTitular,Emisor,CCVenc,CCCodSeg,Estado) **VALUES** ("1100000900880077", 9, "LUCIA BENITEZ", "VISA", "0922", "102", "A");

1. Crear la vista “VMovie” que obtenga los siguientes datos:

Id de la Película, Titulo, Duración, Idioma, Director, Genero

1. Obtener la cantidad de películas por genero utilizando la vista “VMovie”