**Ejercicio práctico caso de estudio Taller de motos**

**Entidades sin aplicar las formas normales**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Entidad oficina | | | | |
| id\_oficina | ciudad | codigo\_postal | direccion | telefono |
| 1 | Bogotá | 11101 | calle 80 bis # 80 94 | 3103334584 |
| 2 | Cartagena | 11102 | Dg. 31 ##71 130 | 3138578987 |
| 3 | Bogotá | 11101 | Cra. 7 #11-10 | 3257387890 |
| 4 | Cali | 11103 | Carrera 28# #19-120 | 3041234672 |
| 5 | Cali | 11103 | Cl. 17 ##28-05 | 3117766980 |

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| Entidad registro | | | |
| id\_Registro\_alquiler | duracion\_alquiler | tipo\_de\_seguro | total\_a\_pagar |
| A01 | 2 meses | obligatorio | $ 30.000 |
| A02 | 1 semana | a todo riesgo | $ 5.000 |
| A03 | 3 meses | obligatorio | $ 40.000 |
| A04 | 5 meses | a todo riesgo | $ 70.000 |
| A05 | 1 mes | a terceros | $ 15.000 |

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| Entidad Conductor | | | | | | |
| Id  Conductor | nombre  conductor | Apellido  conductor | Documento  conductor | direccion | telefono | numero\_tarjeta\_de\_credito |
| C01 | Maicol | Suesca | 12345678910 | Cl. 20 #82 - 52 | 3102839473 | 1000 3000 4000 5000 |
| C02 | Sheldon | Cooper | 23424567434 | Ac. 26 #62-47 | 3224458930 | 1200 3200 4321 9000 |
| C03 | Leonard | Hofstadter | 95635658743 | Ac. 26 ##103-9 | 3124543221 | 2134 8732 9480 6726 |
| C04 | Carlos | Perez | 23574367367 | Cl. 94 ## 15-14 | 3034561211 | 3245 6787 9093 7672 |
| C05 | Daniel | Alfaro | 67564453342 | 01, Av. Boyacá #19 | 3127837548 | 1345 8957 4003 2894 |

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| Entidad motos | | | | | | | |
| Id  motos | matricula | grupo al  que pertenece | marca | modelo | numero  asientos | capacidad  del motor | Edad mínima  Para alquiler |
| MT01 | Ho123A | A | Honda | Honda PCX125 2021 | 1 | 150 CC | 17 |
| MT02 | Ju2345 | C | Yamaha | Yamaha R6 RACE 2021 | 1 | 200 CC | 18 |
| MT03 | MN0923 | A | Honda | Honda SH350i 2021 | 1 | 180 CC | 19 |
| MT04 | SAP012 | B | Kawasaki | Kawasaki Ninja 650 2021 | 1 | 1000 CC | 20 |
| MT05 | XZ56BN | A | Honda | Honda Forza 750 2021 | 1 | 170 CC | 21 |

**Normalización Entidad oficina**

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| --- | --- | --- | --- | --- |
| Entidad oficina | | | | |
| id\_oficina | ciudad | codigo\_postal | direccion | telefono |
| 1 | Bogotá | 11101 | calle 80 bis # 80 94 | 3103334584 |
| 2 | Cartagena | 11102 | Dg. 31 ##71 130 | 3138578987 |
| 3 | Bogotá | 11101 | Cra. 7 #11-10 | 3257387890 |
| 4 | Cali | 11103 | Carrera 28# #19-120 | 3041234672 |
| 5 | Cali | 11103 | Cl. 17 ##28-05 | 3117766980 |

**Aplicación 1 Forma normal**

|  |  |  |
| --- | --- | --- |
| Entidad oficina | | |
| id\_oficina | direccion | telefono |
| 1 | calle 80 bis # 80 94 | 3103334584 |
| 2 | Dg. 31 ##71 130 | 3138578987 |
| 3 | Cra. 7 #11-10 | 3257387890 |
| 4 | Carrera 28# #19-120 | 3041234672 |
| 5 | Cl. 17 ##28-05 | 3117766980 |

|  |  |  |
| --- | --- | --- |
| Entidad Ciudad | | |
| id\_oficina | ciudad | codigo\_postal |
| 1 | Bogotá | 11101 |
| 2 | Cartagena | 11102 |
| 3 | Bogotá | 11101 |
| 4 | Cali | 11103 |
| 5 | Cali | 11103 |

**Aplicación 2 Forma normal**

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| --- | --- | --- |
| Entidad oficina | | |
| id\_oficina | direccion | telefono |
| 1 | calle 80 bis # 80 94 | 3103334584 |
| 2 | Dg. 31 ##71 130 | 3138578987 |
| 3 | Cra. 7 #11-10 | 3257387890 |
| 4 | Carrera 28# #19-120 | 3041234672 |
| 5 | Cl. 17 ##28-05 | 3117766980 |

|  |  |
| --- | --- |
| Entidad Ciudad | |
| ciudad | codigo\_postal |
| Bogota | 11101 |
| Cartagena | 11102 |
| Bogota | 11101 |
| Cali | 11103 |
| Cali | 11103 |

|  |  |
| --- | --- |
| Entidad oficina codigo postal | |
| id\_oficina | codigo\_postal |
| 1 | 11101 |
| 2 | 11102 |
| 3 | 11101 |
| 4 | 11103 |
| 5 | 11103 |