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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee | | | | | | | | | |
| e\_id | **first\_name** | **last\_name** | **street\_**  **number** | **street\_name** | **city** | **e\_phone** | **worked\_from** | **worked\_till** | **Manager\_**  **e\_id** |
| 1919 | John | Smith | 21 | Park Lane | Denver | 7206161812 | 01.01.2015 | 21.09.2016 | 0 |
| 2121 | Ashley | Stewart | 19 | Clievland Place | Boston | 7201888787 | 05.01.2015 | 21.09.2016 | 1919 |
| 1313 | Drake | McQuivey | 17 | Lincoln Str. | Chicago | 3031883456 | 01.01.2015 | 15.05.2106 | 1919 |
| 1415 | Sasha | Fierce | 34 | Washington Str. | New York | 7201234567 | 01.01.2015 | 17.05.2016 | 1919 |
| 2123 | Lucy | McCartney | 2 | Santa Monica | Paris | 3033554545 | 01.08.2015 | 20.02.2017 | 2123 |
| 3454 | Brandon | Kyler | 32 | Eagle Drive | Broadway | 9010200324 | 01.01.2015 | 21.09.2016 | 1919 |
| 1232 | Kris | Kennedy | 345 | Mantaganismesto | Boston | 5896471258 | 01.02.2015 | 31.04.2017 | 1919 |
| 5463 | Drew | Barimor | 123 | Ocean City | New Orleans | 6945218631 | 10.01.2015 | 17.05.2016 | 2123 |
| 5478 | Mason | Lockwood | 344 | Estes Park | Washington | 6748521593 | 21.11.2015 | 21.09.2016 | 1919 |
| 2548 | Jean | Greay | 989 | Michigan Str. | Mystic Falls | 2456286213 | 11.05.2015 | 21.09.2016 | 2123 |
| 3242 | Marcel | Revan | 250 | Dawn Str. | Berlin | 2469512482 | 31.02.2015 | 29.08.2016 | 5478 |
| 5125 | John | Malak | 14 | Messa Ln. | Las Vegas | 7896541336 | 28.09.2015 | 11.02.2016 | 5478 |

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| **Assistant**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Audio** | | | | | | **i\_id** | **au\_type** | **decibel** | **Khz** | **Resistance(ohms)** | | 8006 | Headphones | 75 | 20 | 25 | | 8012 | Microphone | 80 | 15 | 30 | | 80210 | Buffer | 200 | 50 | 70 | | | |
| **Employee\_e\_id** | **speciality** | **customers\_served**  **\_per\_day** |
| 2123 | IT, Audio | 2 |
| 3454 | Kitchen | 5 |
| 2548 | TV | 7 |
| 5478 | Communication | 10 |
| 5463 | Acessories | 5 |

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| --- | --- | --- | --- | --- |
| **Bill** | | | | |
| **B\_num** | **amount** | **Order\_o\_num** | **Order\_Customer\_c\_id** | **Cashier\_Employee\_e\_id** |
| 4001 | 5800 | 3002 | 2004 | 3454 |
| 4002 | 2850 | 3005 | 2001 | 2548 |
| 4003 | 3600 | 3004 | 2007 | 3454 |
| 4004 | 4000 | 3001 | 2002 | 2123 |
| 4005 | 1935 | 3003 | 2006 | 2123 |
| 4006 | 3535 | 3006 | 2008 | 3478 |
| 4007 | 7200 | 3009 | 2009 | 3454 |
| 4008 | 3725 | 3007 | 2005 | 5463 |
| 4009 | 5125 | 3008 | 2010 | 2123 |
| 4010 | 1505 | 3010 | 2002 | 5478 |

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| **Brand** | | | | | | | |
| **b\_name** | **market\_share** | **country\_of\_origin** | **website** | **number\_of\_suppliers** | **number\_of\_employees** | **CEO** |
| Asus | 20 | USA | www.asus.com | 35 | 500 | Craig Norris |
| LG | 15 | Japan | www.lg.com | 40 | 700 | Michael Valdez |
| Lenovo | 10 | China | www.lenovo.com | 25 | 550 | Terrance Williams |
| HP | 5 | China | www.hp.com | 40 | 620 | Jacob Woods |
| Apple | 30 | USA | www.apple.com | 75 | 1200 | Jan Bass |
| Acer | 10 | Germany | www.acer.com | 63 | 300 | Margaret Gordon |
| Philips | 5 | France | www.philips.com | 20 | 480 | Dallas Chavez |
| Samsung | 7 | Belgium | www.samsung.com | 40 | 360 | Omar Miller |
| Sony | 3 | Great Britain | www.sony.com | 30 | 950 | Pat Webster |
| Gorenje | 2 | Bulgaria | www.gorenje.com | 10 | 150 | Grace Houston |

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| --- | --- | --- | --- |
| **Cashier** | | | |
| **checkout\_No** | **revenue\_per\_day** | **register number** | **Employee\_e\_id** |
| 201 | 1000 | 4563 | 2121 |
| 202 | 1200 | 1276 | 1415 |
| 203 | 500 | 9836 | 1415 |
| 203 | 700 | 7629 | 1313 |
| 204 | 500 | 1934 | 1313 |
| 204 | 650 | 7645 | 1232 |
| 204 | 780 | 9983 | 1232 |
| 204 | 1320 | 5185 | 1313 |
| 205 | 800 | 8634 | 2121 |
| 205 | 2000 | 7521 | 1415 |

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| --- | --- | --- | --- | --- |
| **IT** | | | | |
| **i\_id** | **i\_type** | **color** | **RAM(GB)** | **Motherboard** |
| 8001 | PC | Black | 16 | MSI's Z170A Gaming M5 |
| 8007 | Laptop | Silver | 8 | ASRock's Z170 OC Formula |

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| **Kitchen** | | | | | |
| **i\_id** | **k\_category** | **voltage** | **width(cm)** | **height(cm)** | **Self-cleaning?** |
| 8002 | Oven | 240 | 100 | 70 | Yes |
| 8005 | Fridge | 120 | 120 | 220 | No |
| 8009 | Toaster | 120 | 50 | 20 | No |

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| **Communication** | | | | | | |
| **i\_id** | **com\_type** | **OS** | **Portable/stationary** | **Weight(g)** | **Camera(MP)** | **Storage(GB)** |
| 8004 | Smartphone | Android | Portable | 192 | 8 | 32 |
| 8011 | Tablet | Tizen | Portable | 220 | 16 | 64 |
| 8013 | Stationary Phone | None | Stationary | 500 | 0 | 0 |

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| **Maintenance** | | | |
| **Employee\_e\_id** | **num\_repairs** | **speciality** | **average\_time\_per\_repair(hours)** |
| 2123 | 5 | IT, TV Products | 2 |
| 3242 | 10 | Kitchen Products | 5 |
| 5125 | 12 | Accessories, Communication, Audio Products | 1 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Customer** | | | | | | | |
| **c\_id** | **first\_name** | **last\_name** | **c\_email** | **c\_phone** | **c\_street\_num** | **c\_street\_name** | **c\_city** |
| 2001 | Jack | Greer | jack@abv.bg | 8223292542 | 37 | Parkinson Str. | Doncaster |
| 2002 | Kelvin | Frazier | kelvin@abv.bg | 8441898356 | 3 | Lydgate | Southampton |
| 2004 | Debbie | Austin | debbie@abv.bg | 8990868255 | 29 | Emscote Rd | London |
| 2005 | Linda | Bell | linda@abv.bg | 8338483917 | 18 | Caxton Way | New York |
| 2006 | Tracy | Alvarado | tracy@abv.bg | 8339693157 | 5 | Borde Hill Ln | Las Vegas |
| 2007 | David | Cobb | david@abv.bg | 8225758899 | 19 | Janson Str. | Chepstow |
| 2008 | Debra | Rios | debra@abv.bg | 8117584281 | 22 | Jesmond Ave | Doncaster |
| 2009 | Angela | Barnett | angela@abv.bg | 8447569144 | 20 | Marten Rd. | Yorkshire |
| 2010 | Benny | Carr | benny@abv.bg | 8995245416 | 45 | Coniston Rd. | London |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | | | | | | | | |
| **i\_id** | **i\_name** | **i\_price($)** | **qty\_left** | | **Warehouse\_w\_num** | | **Brand\_b\_name** | **Maintanance\_Employee\_e\_id** |
| 8001 | Sony Gear 2 | 300 | | 10 | 7001 | Sony | | 2123 |
| 8002 | Samsung Smartwatch 3 | 250 | | 15 | 7003 | Samsung | | 3242 |
| 8003 | Pebble Time | 450 | | 5 | 7007 | Apple | | 2123 |
| 8004 | Asus ZenPhone | 400 | | 7 | 7002 | Asus | | 5432 |
| 8005 | Apple S6 | 900 | | 9 | 7002 | Apple | | 8732 |
| 8006 | Philips WJ720 | 500 | | 10 | 7001 | Philips | | 1245 |
| 8007 | Lenovo Z50 | 760 | | 35 | 7005 | Lenovo | | 5632 |
| 8008 | HP 620 | 465 | | 20 | 7006 | HP | | 2121 |
| 8009 | Acer Aspire | 520 | | 17 | 7007 | Acer | | 2324 |
| 8010 | LG J4 | 480 | | 22 | 7010 | LG | | 8734 |
| 8011 | Gorenje Z740 | 500 | | 0 | 7008 | Gorenje | | 9439 |
| 8012 | Sony Mosaic | 120 | | 10 | 7004 | Sony | | 5125 |
| 8013 | LG BlackLight | 50 | | 5 | 7009 | LG | | 5125 |
| 8014 | Asus Pro5 | 320 | | 2 | 7004 | Asus | | 5125 |

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| --- | --- | --- | --- | --- | --- | --- |
| **Order** | | | | | | |
| **o\_num** | **o\_date** | **o\_time** | **payment\_method** | **discount($)** | **Customer\_c\_id** | **Assistant\_Employee\_e\_id** |
| 3001 | 20/01/2015 | 10:00 | debit | 0 | 2002 | 5478 |
| 3002 | 03/03/2015 | 11:30 | cash | 0 | 2004 | 3454 |
| 3003 | 03/03/2015 | 11:45 | cash | 155 | 2006 | 2548 |
| 3004 | 27/03/2015 | 12:15 | credit | 220 | 2007 | 3454 |
| 3005 | 14/08/2015 | 13:15 | cash | 0 | 2001 | 2548 |
| 3006 | 31/08/2015 | 14:30 | credit | 50 | 2008 | 5478 |
| 3007 | 29/10/2015 | 15:30 | credit | 175 | 2005 | 5463 |
| 3008 | 15/12/2015 | 15:45 | cash | 125 | 2010 | 5463 |
| 3009 | 17/12/2015 | 16:15 | credit | 0 | 2009 | 3454 |
| 3010 | 18/12/2015 | 17:00 | cash | 55 | 2002 | 2123 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Payroll** | | | | | | | |
| **P\_number** | **gross\_pay** | **bonus** | **deductions** | **from\_date** | **to\_date** | **net\_pay** | **Employee\_e\_id** |
| 1000 | 700 | 0 | 0 | 12.12.2015 | 12.01.2016 | 700 | 2123 |
| 1001 | 540 | 100 | 0 | 12.12.2015 | 12.01.2016 | 640 | 3454 |
| 1002 | 235 | 5 | 0 | 12.12.2015 | 12.01.2016 | 240 | 1415 |
| 1003 | 230 | 20 | 0 | 12.01.2016 | 12.02.2016 | 250 | 5463 |
| 1004 | 540 | 0 | 20 | 12.01.2016 | 12.02.2016 | 520 | 5478 |
| 1005 | 145 | 40 | 0 | 12.02.2016 | 12.03.2016 | 185 | 2123 |
| 1006 | 455 | 0 | 0 | 12.02.2016 | 12.03.2016 | 455 | 2121 |
| 1007 | 455 | 10 | 50 | 12.02.2016 | 12.03.2016 | 415 | 1919 |
| 1008 | 470 | 0 | 0 | 12.03.2016 | 12.04.2016 | 470 | 2121 |
| 1009 | 490 | 0 | 0 | 12.04.2016 | 12.05.2016 | 490 | 1919 |
| 1010 | 510 | 0 | 0 | 12.04.2016 | 12.05.2016 | 510 | 1313 |
| 1011 | 540 | 40 | 40 | 12.05.2016 | 12.06.2016 | 540 | 1232 |
| 1012 | 200 | 100 | 10 | 12.05.2016 | 12.06.2016 | 290 | 2548 |

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| **Provides** | | | | |
| **Item\_i\_id** | **Supplier\_s\_id** | **p\_date** | **p\_quantity** | **total\_cost($)** |
| 8001 | AKM Semiconductor Inc. | 16/01/2015 | 20 | 1100 |
| 8002 | AAC Technologies Holdings Inc. | 27/02/2015 | 70 | 2150 |
| 8003 | Asahi Glass Co Ltd. | 05-06-15 | 60 | 380 |
| 8004 | Alps Electric Co. Ltd. | 06-03-15 | 45 | 450 |
| 8005 | Asia Vital Components Ltd. | 06-12-15 | 80 | 900 |
| 8006 | Alps Electric Co. Ltd. | 26/06/2015 | 100 | 1400 |
| 8007 | 3M Co | 23/07/2015 | 65 | 845 |
| 8008 | Amphenol Corp | 09-07-15 | 78 | 950 |
| 8009 | Artesyn Embedded Technologies | 26/06/2015 | 52 | 560 |
| 8010 | 3M Co | 06-03-15 | 39 | 760 |

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| --- | --- | --- | --- | --- | --- | --- |
| **Supplier** | | | | | | |
| **s\_id** | **s\_name** | **s\_location** | **s\_phone** | **quality\_of\_products** | **s\_email** | **years\_active** |
| 6002 | AKM Semiconductor Inc. | Japan | 8112926364 | Excelent | akm@gmail.com | 10 |
| 6003 | Alps Electric Co. Ltd. | Bulgaria | 8224552334 | Good | alps@gmail.com | 5 |
| 6004 | 3M Co | USA | 8110152448 | Bad | 3m@gmail.com | 7 |
| 6005 | AAC Technologies Holdings Inc. | France | 8117847086 | Good | aac@gmail.com | 3 |
| 6006 | Acbel Polytech Inc. | Germany | 8557890547 | Excelent | acbel@gmail.com | 5 |
| 6007 | Amphenol Corp | Japan | 8228893382 | Excelent | amphenol@gmail.com | 2 |
| 6008 | Analog Devices Inc. | USA | 8998473875 | Good | analog@gmail.com | 1 |
| 6009 | Artesyn Embedded Technologies | China | 8333099736 | Mediocre | artesyn@gmail.com | 7 |
| 6010 | Asahi Glass Co Ltd. | China | 8996687540 | Excelent | asahi@gmail.com | 8 |
| 6001 | Asia Vital Components Ltd. | Bulgaria | 855 | Good | vital@gmail.com | 15 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TV**   |  |  |  | | --- | --- | --- | | **Order\_has\_Item** | | | | **Item\_i\_id** | **Order\_o\_num** | **quantity** | | 8004 | 3001 | 10 | | 8005 | 3002 | 2 | | 8002 | 3003 | 5 | | 8006 | 3004 | 7 | | 8003 | 3005 | 3 | | 8008 | 3006 | 1 | | 8007 | 3007 | 5 | | 8001 | 3008 | 10 | | 8010 | 3009 | 15 | | 8009 | 3010 | 3 | | 8011 | 3002 | 8 | | 8012 | 3003 | 7 | | | | | | |
| **i\_id** | **width** | **height** | **color** | **number\_of\_channels** | **HD/SD** |
| 8003 | 200 | 200 | Black | 200 | HD |
| 8008 | 120 | 100 | White | 120 | SD |
| 8014 | 150 | 120 | Gray | 150 | HD |

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| --- | --- | --- | --- | --- | --- | --- |
| **Warehouse** | | | | | | |
| **w\_num** | **w\_name** | **w\_location** | **w\_size** | **number\_of\_employees** | **manager\_first\_name** | **manager\_last\_name** |
| 7001 | South | 12 Brunel's Way, Highbridge, Somerset | 50 | 5 | Elizabeth | Higgins |
| 7002 | East | 35 Howgate Rd, Bembridge, Isle of Wight | 50 | 12 | Warren | Roberson |
| 7003 | North | 2 Highfield Cl, Featherstone, Pontefract, West Yorkshire | 100 | 20 | Melvin | Dawson |
| 7004 | West | Blackpool Ln, Preston, Lancashire | 100 | 15 | Roy | Medina |
| 7005 | North-West | 22 Sydling Cl, Poole, Poole | 150 | 17 | Nicole | Webb |
| 7006 | North-East | Mount Pleasant Ln, Llanrumney, Cardiff | 120 | 20 | Orvile | Leonard |
| 7007 | South-East | 5 Holly Rd, Uttoxeter, Staffordshire | 60 | 3 | Kristina | Spencer |
| 7008 | South-West | 1 Rectory Rd, Penarth, Vale of Glamorgan | 20 | 5 | Christine | Holt |
| 7009 | First | 11 Grange Rd, Folkestone, Kent | 40 | 4 | Lance | Kennedy |
| 7010 | Second | 5 Milburn St, Workington, Cumbria | 45 | 5 | Joel | Dennis |