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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Surname | FirstName | Address | DOB | EmergencyContact | contactNumber | Doctor | Specialism | Ward | Bed | admissionDate | releaseDate |
| Smith | Sarah | 123 Star Street | 15/11/82 | Phil Smith | 05556578261 | Murray | Osteology | Benson | 12 | 6/5/22 | 7/5/22 |
| Miah | Mohammed | 14 Norbury Street | 21/8/90 | Safdar Miah | 05623923983 | Murray | Osteology | Chandler | 20 | 17/7/22 | 21/7/22 |
| Goldstein | Abraham | 78 Collier Close | 04/01/61 | Lynn Burrows | 05735263273 | Singh | Neurology | Benson | 6 | 20/2/23 | 24/2/23 |
| Smith | Sarah | 123 Star Street | 15/11/82 | Phil Smith | 05556578261 | Nicolson | Immunology | Anderton | 2 | 22/8/22 | 28/2/22 |

1NF •Make sure you have a primary key •No d... by Mather, Paul (Growth Company)Mather, Paul (Growth Company)11:05

1NF

•Make sure you have a primary key

•No duplicate rows or columns

2NF

•It’s already in 1NF

•All non-key attributes are fully dependent on the primary key.

3NF

•Fulfils the requirements of 2NF

•All attributes are dependent on the primary key, and no other fields at all

has context menu

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| --- | --- | --- | --- | --- | --- | --- |
| Surname | FirstName | Patient Id | Address | DOB | EmergencyContact | contactNumber |
| Smith | Sarah | 1 | 123 Star Street | 15/11/82 | Phil Smith | 05556578261 |
| Miah | Mohammed | 2 | 14 Norbury Street | 21/8/90 | Safdar Miah | 05623923983 |
| Goldstein | Abraham | 3 | 78 Collier Close | 04/01/61 | Lynn Burrows | 05735263273 |
| Smith | Sarah | 4 | 123 Star Street | 15/11/82 | Phil Smith | 05556578261 |

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| Ward | Bed | Ben number | Bed first used | Bed last used |
| Benson | 12 | A1 | 6/5/22 | 7/5/22 |
| Chandler | 20 | A2 | 17/7/22 | 21/7/22 |
| Benson | 6 | A3 | 20/2/23 | 24/2/23 |
| Anderton | 2 | A4 | 22/8/22 | 28/2/22 |

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| --- | --- | --- |
| admissionDate | releaseDate | Release number |
| 6/5/22 | 7/5/22 | 001 |
| 17/7/22 | 21/7/22 | 002 |
| 20/2/23 | 24/2/23 | 003 |
| 22/8/22 | 28/2/22 | 004 |

|  |  |  |
| --- | --- | --- |
| Doctor | Doctor Id | Specialism |
| Murray | 12 | Osteology |
| Murray | 13 | Osteology |
| Singh | 14 | Neurology |
| Nicolson | 15 | Immunology |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Surname | FirstName | Address | Postcode | Phone | Mobile | Email | Venue | Location | Event | Date | Time | Artist | Style | NUmTickets | TicketPrice |
| Anderson | Thomas | 9 Neo Drive, Manchester | M21 6DO | 555 2398 | 09923467463 | neo@thematrix.com | Titan Stadium | Sheffield | Paradox | 23rd May 2023 | 7:00pm | Paradox with guests | Metal | 2 | 47.99 |
| Picard | John L. | 23 Enterprise Way, London | NW99 6NX | 555 1701 | 09912341701 | cap@galaxyclass.co.uk | Regal Arena | Birmingham | Vivaldi’s Four Seasons | 7th June 2023 | 6:45pm | Halle Orchestra | Classical | 4 | 32.99 |
| Reynolds | Malcolm | 8 Serenity Valley Way, York | YO6 9SK | 555 2347 | 09977665218 | mal@intheblack.com | Titan Stadium | Sheffield | Paradox | 24th May 2023 | 7:00pm | Paradox with guests | Metal | 2 | 47.99 |
| Summers | Buffy | 32 Slayer street, Sunnydale | SU18 9VS | 555 7799 | 09988134624 | buffy@vampslayers.com | Anglia Stadium | Manchester | Paradox | 3rd June 2023 | 7:30pm | Paradox with guests | Metal | 5 | 52.99 |
| Kirk | Jimmy | 9 Tiberius Road, Lincoln | LN13 6TU | 555 9813 | 09717012386 | JTK@theoriginal.co.uk | Newtown Arena | Bristol | The KK tour 23 | June 16th 2023 | 7:00pm | Missy K and the Kittens | Pop | 3 | 44.99 |
| Ateides | Paul | 2,  the Dunes, Lytham St Annes | BP20 7NF | 555 8901 | 09944238912 | emperorP@dune.com | Anglia Stadium | Manchester | Sesame Street – the Opera! | Juley 2st 2023 | 7:30pm | The Royal Operatic Society | Opera | 2 | 39.99 |
| Anderson | Thomas | 9 Neo Drive, Manchester | M21 6DO | 555 2398 | 09923467463 | neo@thematrix.com | Newtown Arena | Bristol | The KK tour 23 | June 16th 2023 | 7:00pm | Missy K and the Kittens | Pop | 3 | 44.99 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Surname | FirstName | Customer ID/login | Address | Postcode | Phone | Mobile | Email |
| Anderson | Thomas | 1 | 9 Neo Drive, Manchester | M21 6DO | 555 2398 | 09923467463 | neo@thematrix.com |
| Picard | John L. | 2 | 23 Enterprise Way, London | NW99 6NX | 555 1701 | 09912341701 | cap@galaxyclass.co.uk |
| Reynolds | Malcolm | 3 | 8 Serenity Valley Way, York | YO6 9SK | 555 2347 | 09977665218 | mal@intheblack.com |
| Summers | Buffy | 4 | 32 Slayer street, Sunnydale | SU18 9VS | 555 7799 | 09988134624 | buffy@vampslayers.com |
| Kirk | Jimmy | 5 | 9 Tiberius Road, Lincoln | LN13 6TU | 555 9813 | 09717012386 | JTK@theoriginal.co.uk |
| Ateides | Paul | 6 | 2,  the Dunes, Lytham St Annes | BP20 7NF | 555 8901 | 09944238912 | emperorP@dune.com |
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| Venue | Venue UNQ NUM | Location |
| Titan Stadium | TSS1 | Sheffield |
| Regal Arena | RAB1 | Birmingham |
| Anglia Stadium | ASM1 | Manchester |
| Newtown Arena | NAB1 | Bristol |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Venue UNQ NUM | Event | EventNumID | Date | Time | Artist | Style | NUmTickets | TicketPrice |
| TSS1 | Paradox | 001 | 23rd May 2023 | 7:00pm | Paradox with guests | Metal | 2 | 47.99 |
| RAB1 | Vivaldi’s Four Seasons | 002 | 7th June 2023 | 6:45pm | Halle Orchestra | Classical | 4 | 32.99 |
| TSS1 | Paradox | 003 | 24th May 2023 | 7:00pm | Paradox with guests | Metal | 2 | 47.99 |
| ASM1 | Paradox | 004 | 3rd June 2023 | 7:30pm | Paradox with guests | Metal | 5 | 52.99 |
| NAB1 | The KK tour 23 | 005 | June 16th 2023 | 7:00pm | Missy K and the Kittens | Pop | 3 | 44.99 |
| ASM1 | Sesame Street – the Opera! | 006 | Juley 2st 2023 | 7:30pm | The Royal Operatic Society | Opera | 2 | 39.99 |
| NAB1 | The KK tour 23 | 007 | June 16th 2023 | 7:00pm | Missy K and the Kittens | Pop | 3 | 44.99 |