**Institut Sains Terapan dan Teknologi Surabaya**

Jl. Ngagel Jaya Tengah 73 - 77, Surabaya 60284

Telp. (031) 5027920 Fax. (031) 5041509

Laboratorium : E-401 Praktikum : Pemrograman Client Server

Waktu : Senin / 10.45 – 12.45 Jurusan : S1 – Teknik Informatika

Minggu Ke : 1 Tanggal : -

Materi : Advance Query Jenis Soal : Materi dan Tugas

**MATERI (TOTAL = 40)**

Berdasarkan database yang diberikan, rangkailah query untuk menghasilkan output yang diminta. Setiap nomor harus **melibatkan minimal 1 view baru.**

1. Tampilkan nama manager club yang menjual minimal 1 pemain sejak 1 Januari 2015. Urutkan berdasarkan huruf ketiga dari nama manager

NAMA\_MANAGER

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Maurizio Sarri

Bruno Genesio

Massimiliano Allegri

Jurgen Klopp

Leonardo Jardim

Thomas Tuchel

Santiago Solari

Alex Ferguson

Diego Simeone

9 rows selected.

1. Tampilkan liga-liga di Inggris yang memiliki club yang terdaftar pada liga tersebut beserta jumlah club yang terdaftar pada liga tersebut.

NAMA\_LIGA JUMLAH CLUB

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EFL Championship 6

English Football League 6

Premier League 7

1. Tampilkan nama stadium serta nama manager club yang memiliki stadion berkapasitas lebih dari 50.000 orang. Urutkan berdasarkan nama manager beserta huruf keempat dari nama stadion tempat manager bekerja

NAMA\_STADIUM NAMA\_MANAGER

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Gavea Stadium Abel Braga

Old Trafford Alex Ferguson

Stadio San Paolo Carlo Ancelotti

Camp Nou Ernesto Valverde

Stadio Olimpico Eusebio Di Francesco

City of Manchester Josep Guardiola

Anfield Jurgen Klopp

Wanda Metropolitano Leonardo Jardim

Santiago Barnabeu Santiago Solari

9 rows selected.

1. Tampilkan nama agen beserta jumlah client managernya dimana agen tersebut memiliki client player yang berusia lebih dari 30 tahun. Urutkan berdasarkan jumlah client dan huruf keempat nama agen.

NAMA\_AGEN Jumlah Client Manager

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Osman Chari 2

Emmanuel Mensah 1

Frederik De Jong 1

Graham Duffield 1

Chris Greenhill 1

Matthijs Lambregts 1

6 rows selected.

**Catatan : Pengerjaan harus dilakukan dengan sempurna, termasuk header. Jika header kolom berbeda atau urutan data tidak sama dengan contoh, maka jawaban pada nomor yang bersangkutan akan di**

**div 2!**

**MATERI : 40**

|  |  |
| --- | --- |
| SCORE | KRITERIA |
| Insert | |
| 5/0 | Mengerjakan nomor 1 dengan benar |
| 10/0 | Mengerjakan nomor 2 dengan benar |
| 10/0 | Mengerjakan nomor 3 dengan benar |
| 15/0 | Mengerjakan nomor 4 dengan benar |
| Total : 40 | |

**TUGAS : 30**

Sesuai dengan database yang diberikan, rangkailah query yang akan menghasilkan output sebagai berikut

1. Materi sempurna beserta header dan urutan data.
2. Tampilkan nama player dan usianya dimana jika panjang nama player lebih dari 10 karakter, maka akan rata kanan, sebaliknya jika nama player kurang dari 11 karakter, maka akan rata kiri. Player yang ditampilkan hanyalah player yang berasal dari negara dimana pada negara tersebut terdapat lebih dari 4 club yang terdaftar pada database. Urutkan data berdasakan negara dan usia pemain.

Nama Player Usia Player

-------------------- -----------

Yusuke Maruhasi 28

Hiroshi Kiyotake 29

Lorenzo Insigne 27

Kylian Mbappe 20

Ousmane Dembele 21

Anthony Martial 23

Paul Pogba 25

Samuel Umtiti 25

Antoine Griezmann 27

Laurent Koscielny 33

Hector Bellerin 23

Nama Player Usia Player

-------------------- -----------

Koke 27

David de Gea 28

Ander Herrera 29

Jordi Alba 29

Vitolo 29

Juan Mata 30

Sergio Busquets 30

Diego Costa 30

Gerard Pique 32

Nacho Monreal 33

Juanfran 34

Nama Player Usia Player

-------------------- -----------

Marcus Rashford 21

Phil Jones 27

Danny Welbeck 28

Chris Smalling 29

Philippe Countinho 26

Neymar 27

Filipe Luis 33

Dani Alves 35

30 rows selected.

1. Tampilkan jumlah manager yang berasal dari suatu negara beserta nama negaranya. Negara yang ditampilkan harus memiliki lebih dari 2 pemain yang berasal dari negara tersebut yang terdaftar pada database. Selain itu, hanya tampilkan jumlah manager yang berjumlah ganjil dari suatu negara yang ditampilkan. Urutkan berdasarkan jumlah manager pada negara-negara tersebut dan nama negara.

JUMLAH\_MANAGER NAMA\_NEGARA

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ENGLAND

3 BRAZIL

SPAIN

5 ARGENTINA

5 FRANCE

1. Buatlah synonym untuk semua view yang digunakan baik untuk materi ataupun tugas. Minimal jumlah view yang diberi nama adalah 6. Jika ada view yang tidak diberi sinonim, maka akan dikurangi 1 poin untuk setiap view.

**Catatan : Pengerjaan harus dilakukan dengan sempurna, termasuk header. Jika header kolom berbeda atau urutan data tidak sama dengan contoh, maka jawaban pada nomor yang bersangkutan akan dinilai 0!**

**KRITERIA YANG TIDAK DI HIGHLIGHT TIDAK AKAN DIPERIKSA**

|  |  |
| --- | --- |
| SCORE | KRITERIA |
| 8/0 | Mengerjakan nomor 1 dengan benar |
| 7/0 | Mengerjakan nomor 2 dengan benar |
| 10/0 | Mengerjakan nomor 3 dengan benar |
| 5/0 | Mengerjakan nomor 4 dengan benar |
| Total : 30 | |

Menyetujui Mengetahui Penyusun Soal

(Riandika Lumaris, S.Kom., M.Kom.) (Grace Levina Dewi, M.Kom.) (Kenny Vincent)

Koordinator Kuliah Koordinator Laboratorium Asisten

|  |  |
| --- | --- |
| Negara | |
| column | type |
| id\_negara | Varchar2(3), PK |
| Nama\_negara | Varchar2(15) |

|  |  |
| --- | --- |
| Liga | |
| column | type |
| id\_liga | Varchar2(5), PK |
| Nama\_liga | Varchar2(30) |
| Id\_negara | Varchar2(3), references negara(id\_negara) |
| divisi | number |

|  |  |
| --- | --- |
| Agen | |
| column | type |
| id\_agen | Varchar2(7), PK |
| Nama\_agen | Varchar2(20) |
| experience | Number |
| Id\_negara | Varchar2(3), references negara(id\_negara) |

|  |  |
| --- | --- |
| Manager | |
| column | type |
| id\_manager | Varchar2(6), PK |
| Nama\_manager | Varchar2(20) |
| Dob\_manager | date |
| Id\_negara | Varchar2(3), references negara(id\_negara) |
| Id\_agen | Varchar2(7), references agen(id\_agen) |

|  |  |
| --- | --- |
| Club | |
| column | type |
| id\_club | Varchar2(7), PK |
| Nama\_club | Varchar2(20) |
| Tahun\_berdiri | date |
| Id\_liga | Varchar2(5), references liga(id\_liga) |

|  |  |
| --- | --- |
| Stadium | |
| column | type |
| id\_stadium | Varchar2(6), PK |
| Nama\_stadium | Varchar2(20) |
| Kapasitas | Number |
| Id\_club | Varchar2(7), references club(id\_club) |
| Id\_negara | Varchar2(3), references negara(id\_negara) |

|  |  |
| --- | --- |
| Player | |
| column | type |
| id\_player | Varchar2(8), PK |
| Nama\_player | Varchar2(20) |
| Dob\_player | Date |
| Id\_club | Varchar2(7), references club(id\_club) |
| Id\_negara | Varchar2(3), references negara(id\_negara) |
| Id\_agen | Varchar2(3), references agen(id\_agen) |

|  |  |
| --- | --- |
| H\_transaksi | |
| column | type |
| id\_transaksi | Varchar2(8), PK |
| Club\_asal | Varchar2(7), references club(id\_club) |
| Club\_baru | Varchar2(7), references club(id\_club) |
| Biaya\_transfer | Number |
| Tgl\_transfer | Date |

|  |  |
| --- | --- |
| D\_transaksi | |
| column | type |
| id\_transaksi | Varchar2(8), PK |
| Id\_player | Varchar2(8), references player(id\_player), PK |
| Subtotal | Number |

|  |  |
| --- | --- |
| Club\_Manager | |
| column | type |
| id\_club | Varchar2(7), references club(id\_club), PK |
| Id\_manager | Varchar2(6), references manager(id\_manager), PK |

|  |  |
| --- | --- |
| Negara | |
| id\_negara | nama\_negara |
| ENG | ENGLAND |
| FRN | FRANCE |
| ESP | SPAIN |
| WLS | WALES |
| GER | GERMANY |
| ITA | ITALY |
| JPN | JAPAN |
| ROM | ROMANIA |
| RUS | RUSSIA |
| UKR | UKRAINE |
| BEL | BELGIUM |
| HOL | HOLLAND |
| USA | USA |
| SWE | SWEDEN |
| NOR | NORWAY |
| CRO | CROATIA |
| ICE | ICELAND |
| DEN | DENMARK |
| CZE | CZECH |
| IRE | IRELAND |
| FIN | FINLAND |
| BUL | BULGARIA |
| SER | SERBIA |
| KOR | SOUTH KOREA |
| ARG | ARGENTINA |
| BRA | BRAZIL |
| POR | PORTUGAL |
| SCO | SCOTLAND |

|  |  |  |  |
| --- | --- | --- | --- |
| Liga | | | |
| id\_liga | nama\_liga | id\_negara | divis |
| EN001 | Premier League | ENG | 1 |
| EN002 | EFL Championship | ENG | 2 |
| EN003 | English Football League | ENG | 3 |
| EN004 | EFL League One | ENG | 4 |
| EN005 | EFL League Two | ENG | 5 |
| EN006 | National League (division) | ENG | 6 |
| FR001 | [Ligue 1](https://en.wikipedia.org/wiki/Ligue_1) | FRN | 1 |
| FR002 | [Ligue 2](https://en.wikipedia.org/wiki/Ligue_2) | FRN | 2 |
| FR003 | [Championnat National](https://en.wikipedia.org/wiki/Championnat_National) | FRN | 3 |
| FR004 | [Championnat National 2](https://en.wikipedia.org/wiki/Championnat_National_2) | FRN | 4 |
| FR005 | [Championnat National 3](https://en.wikipedia.org/wiki/Championnat_National_3) | FRN | 5 |
| SP001 | [La Liga](https://en.wikipedia.org/wiki/La_Liga) | ESP | 1 |
| SP002 | [Segunda División](https://en.wikipedia.org/wiki/Segunda_Divisi%C3%B3n) | ESP | 2 |
| SP003 | [Segunda División B](https://en.wikipedia.org/wiki/Segunda_Divisi%C3%B3n_B) | ESP | 3 |
| SP004 | [Tercera División](https://en.wikipedia.org/wiki/Tercera_Divisi%C3%B3n) | ESP | 4 |
| SP005 | [Divisiones Regionales](https://en.wikipedia.org/wiki/Divisiones_Regionales_de_F%C3%BAtbol) | ESP | 5 |
| IT001 | [Serie A](https://en.wikipedia.org/wiki/Serie_A) | ITA | 1 |
| IT002 | [Serie B](https://en.wikipedia.org/wiki/Serie_B) | ITA | 2 |
| IT003 | [Serie C](https://en.wikipedia.org/wiki/Serie_C) | ITA | 3 |
| IT004 | [Serie D](https://en.wikipedia.org/wiki/Serie_D) | ITA | 4 |
| IT005 | [Eccellenza](https://en.wikipedia.org/wiki/Eccellenza) | ITA | 5 |
| IT006 | [Promozione](https://en.wikipedia.org/wiki/Promozione) | ITA | 6 |
| HO001 | Eredvisie | HOL | 1 |
| BA001 | Campeonato Serie A | BRA | 1 |
| AR001 | Superliga Argentina | ARG | 1 |
| US001 | Major League Soccer | USA | 1 |
| JP001 | Japan League | JPN | 1 |
| KO001 | Korea League | KOR | 1 |
| BE001 | Belgian First Division A | BEL | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| Club | | | |
| Id\_club | Nama\_club | tahun\_berdiri | Id\_liga |
| MU001 | Manchester United | 1878 | EN001 |
| AR001 | Arsenal | 1886 | EN001 |
| MC001 | Manchester City | 1880 | EN001 |
| CH001 | Chelsea | 1905 | EN001 |
| LI001 | Liverpool | 1892 | EN001 |
| TO001 | Tottenham | 1882 | EN001 |
| BA001 | Barcelona | 1899 | SP001 |
| RM001 | Real Madrid | 1902 | SP001 |
| AT001 | Atletico Madrid | 1903 | SP001 |
| SE001 | Sevilla | 1890 | SP001 |
| VA001 | Valencia | 1919 | SP001 |
| JU001 | Juventus | 1897 | IT001 |
| AM002 | AC Milan | 1899 | IT001 |
| IM001 | Inter Milan | 1908 | IT001 |
| NA001 | Napoli | 1926 | IT001 |
| AR002 | AS Roma | 1927 | IT001 |
| PS001 | Paris Saint Germain | 1970 | FR001 |
| AM001 | AS Monaco | 1919 | FR001 |
| LY001 | Lyon | 1950 | FR001 |
| LI002 | Lille | 1944 | FR001 |
| MA001 | Marseille | 1899 | FR001 |
| SA001 | Santos | 1912 | BA001 |
| SP001 | Sao Paulo | 1930 | BA001 |
| FL001 | Flamengo | 1895 | BA001 |
| IN001 | Internacional | 1909 | BA001 |
| GR001 | Gremio | 1903 | BA001 |
| BJ001 | Boca Junior | 1905 | AR001 |
| RP001 | River Plate | 1901 | AR001 |
| IN002 | Independiate | 1958 | AR001 |
| RC001 | Racing Club | 1903 | AR001 |
| GO001 | Gamba Osaka | 1980 | JP001 |
| FT001 | FC Tokyo | 1935 | JP001 |
| CO001 | Cerezo Osaka | 1957 | JP001 |
| VK001 | Vissel Kobe | 1966 | JP001 |
| UR001 | Urawa Reds | 1950 | JP001 |
| YF001 | Yokohama FM | 1972 | JP001 |
| GE001 | Genk | 1923 | BE001 |
| CB001 | Club Brugge | 1891 | BE001 |
| AN001 | Anderlecht | 1908 | BE001 |
| AV001 | [Aston Villa](http://www.bbc.co.uk/sport/football/teams/aston-villa) | 1910 | EN002 |
| BC001 | [Birmingham City](http://www.bbc.co.uk/sport/football/teams/birmingham-city) | 1912 | EN002 |
| BR001 | [Blackburn Rovers](http://www.bbc.co.uk/sport/football/teams/blackburn-rovers) | 1914 | EN002 |
| BW001 | [Bolton Wanderers](http://www.bbc.co.uk/sport/football/teams/bolton-wanderers) | 1916 | EN002 |
| BR002 | [Brentford](http://www.bbc.co.uk/sport/football/teams/brentford) | 1918 | EN002 |
| BC002 | [Bristol City](http://www.bbc.co.uk/sport/football/teams/bristol-city) | 1919 | EN002 |
| AW001 | [AFC Wimbledon](http://www.bbc.co.uk/sport/football/teams/afc-wimbledon) | 1921 | EN003 |
| AS001 | [Accrington Stanley](http://www.bbc.co.uk/sport/football/teams/accrington-stanley) | 1923 | EN003 |
| BA002 | [Barnsley](http://www.bbc.co.uk/sport/football/teams/barnsley) | 1925 | EN003 |
| BL001 | [Blackpool](http://www.bbc.co.uk/sport/football/teams/blackpool) | 1927 | EN003 |
| BC003 | [Bradford City](http://www.bbc.co.uk/sport/football/teams/bradford-city) | 1929 | EN003 |
| BR003 | [Bristol Rovers](http://www.bbc.co.uk/sport/football/teams/bristol-rovers) | 1922 | EN003 |
| EV001 | [Everton](http://www.bbc.co.uk/sport/football/teams/bristol-rovers) | 1910 | EN001 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Stadium | | | | |
| id\_stadium | nama\_stadium | kapasitas | id\_club | id\_negara |
| STD001 | Gavea Stadium | 78838 | FL001 | ENG |
| STD002 | Bloomfield Rd | 16220 | BL001 | ENG |
| STD003 | Old Trafford | 74643 | MU001 | ENG |
| STD004 | City of Manchester | 55097 | MC001 | ENG |
| STD005 | Stamford Bridge | 41631 | CH001 | ENG |
| STD006 | Anfield | 54074 | LI001 | ENG |
| STD007 | White Hart Lane | 36284 | TO001 | ENG |
| STD008 | Camp Nou | 99354 | BA001 | ESP |
| STD009 | Santiago Barnabeu | 81044 | RM001 | ESP |
| STD010 | Wanda Metropolitano | 68000 | AM002 | ESP |
| STD011 | Pizjuan Stadium | 43883 | SE001 | ESP |
| STD012 | Mestalla Stadium | 49500 | VA001 | ESP |
| STD013 | Juventus Stadium | 41507 | JU001 | ITA |
| STD014 | San Siro | 36500 | AM002 | ITA |
| STD015 | Guiseppe Meazza | 37000 | IM001 | ITA |
| STD016 | Stadio San Paolo | 60240 | NA001 | ITA |
| STD017 | Stadio Olimpico | 72900 | AR002 | ITA |
| STD018 | Parc des Princes | 47900 | PS001 | FRN |
| STD019 | Kincho Stadium | 18000 | CO001 | JPN |
| STD020 | Noevir Stadium | 30134 | VK001 | JPN |
| STD021 | Saitama Stadium | 63700 | UR001 | JPN |
| STD022 | Nissan Stadium | 72327 | YF001 | JPN |
| STD023 | Luminus Arena | 23718 | GE001 | BEL |
| STD024 | Jan Breydel | 29062 | CB001 | BEL |
| STD025 | Vanden Stock | 21500 | AN001 | BEL |
| STD026 | Villa Park | 42682 | AV001 | [ENG](http://www.bbc.co.uk/sport/football/teams/aston-villa) |
| STD027 | St Andrew's | 29409 | BC001 | [ENG](http://www.bbc.co.uk/sport/football/teams/birmingham-city) |
| STD028 | Ewood Park | 31367 | BR001 | [ENG](http://www.bbc.co.uk/sport/football/teams/blackburn-rovers) |

|  |  |  |  |
| --- | --- | --- | --- |
| Agen | | | |
| id\_agen | nama\_agen | exp (years) | id\_negara |
| AGEN001 | Lee Philpott | 11 | ENG |
| AGEN002 | Jonathan Dean | 8 | ENG |
| AGEN003 | Chris Greenhill | 8 | ENG |
| AGEN004 | Jonny Hughes | 10 | ENG |
| AGEN005 | Graham Duffield | 2 | ENG |
| AGEN006 | Magno Vieira | 7 | ENG |
| AGEN007 | David Bosumtwe | 12 | ENG |
| AGEN008 | Adam Bouskouchi | 3 | ENG |
| AGEN009 | David Currie | 5 | ENG |
| AGEN010 | Curtis Dawes | 1 | ENG |
| AGEN011 | Frederik De Jong | 5 | ENG |
| AGEN012 | Joseph Chenwi | 2 | ENG |
| AGEN013 | Peter Bint | 4 | ENG |
| AGEN014 | Lionel Foy | 5 | ENG |
| AGEN015 | Mark Gibbon | 3 | ENG |
| AGEN016 | Diomansy Kamara | 10 | FRN |
| AGEN017 | Olusola Omole | 2 | FRN |
| AGEN018 | Sabastine Onyeka | 9 | USA |
| AGEN019 | Emmanuel Mensah | 9 | FRN |
| AGEN020 | Osman Chari | 10 | USA |
| AGEN021 | Augusto Lopez | 3 | USA |
| AGEN022 | Antti Roiha | 7 | FIN |
| AGEN023 | Razaq Raji | 11 | IRE |
| AGEN024 | Eric Darko | 10 | USA |
| AGEN025 | Alexandre Marquot | 10 | FRN |
| AGEN026 | Matthijs Lambregts | 5 | HOL |
| AGEN027 | Bo Nilsson | 0 | SWE |
| AGEN028 | Constantin Negura | 2 | ROM |
| AGEN029 | Thiery Manigone | 2 | IRE |
| AGEN030 | Adolfo Lopes | 9 | POR |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Manager | | | | |
| id\_manager | nama\_manager | DOB | id\_negara | id\_agen |
| MAN001 | Greg Abbot | 14-12-1963 | ENG | AGEN001 |
| MAN002 | Alex Ferguson | 31-12-1941 | SCO | AGEN002 |
| MAN003 | Arsene Wenger | 22-10-1949 | FRN | AGEN003 |
| MAN004 | Josep Guardiola | 18-01-1971 | ESP | AGEN004 |
| MAN005 | Maurizio Sarri | 10-01-1959 | ITA | AGEN005 |
| MAN006 | Jurgen Klopp | 16-06-1967 | GER | AGEN015 |
| MAN007 | Mauricio Pochettino | 02-03-1972 | ARG | AGEN016 |
| MAN008 | Ernesto Valverde | 09-02-1964 | ESP | AGEN017 |
| MAN009 | Santiago Solari | 08-10-1976 | ARG | AGEN018 |
| MAN010 | Diego Simeone | 28-04-1970 | ARG | AGEN019 |
| MAN011 | Pablo Machin | 07-04-1975 | ESP | AGEN020 |
| MAN012 | Marcelino Toral | 14-08-1965 | ESP | AGEN021 |
| MAN013 | Massimiliano Allegri | 11-08-1967 | ITA |  |
| MAN014 | Gennaro Gattuso | 09-01-1978 | ITA | AGEN021 |
| MAN015 | Luciano Spalletti | 03-07-1959 | ITA | AGEN022 |
| MAN016 | Carlo Ancelotti | 10-06-1959 | ITA | AGEN023 |
| MAN017 | Eusebio Di Francesco | 08-09-1969 | ITA |  |
| MAN018 | Thomas Tuchel | 29-08-1973 | ITA | AGEN025 |
| MAN019 | Leonardo Jardim | 01-08-1974 | POR | AGEN026 |
| MAN020 | Bruno Genesio | 01-09-1966 | FRN |  |
| MAN021 | Christophe Galtier | 23-08-1966 | FRN |  |
| MAN022 | Rudi Garcia | 20-02-1964 | FRN | AGEN011 |
| MAN023 | Fernando Santos | 10-10-1954 | POR |  |
| MAN024 | Carlos Parreira | 27-02-1943 | BRA | AGEN013 |
| MAN025 | Abel Braga | 09-01-1952 | BRA | AGEN014 |
| MAN026 | Renato Portaluppi | 09-09-1962 | BRA | AGEN015 |
| MAN027 | Gustavo Alfaro | 14-08-1962 | ARG | AGEN013 |
| MAN028 | Marcelo Gallardo | 18-01-1976 | ARG | AGEN014 |
| MAN029 | Tsuneyasu Miyamoto | 07-02-1997 | JPN |  |
| MAN030 | Jose Mourinho | 26-01-1963 | POR | AGEN016 |
| MAN031 | Zinedine Zidane | 23-06-1972 | FRN | AGEN017 |
| MAN032 | Paolo Maldini | 26-06-1968 | ITA | AGEN018 |
| MAN033 | Harry Redknapp | 02-03-1947 | ENG |  |
| MAN034 | Kenny Dalglish | 04-03-1951 | SCO | AGEN020 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Player | | | | | |
| id\_player | nama\_player | DOB | id\_club | id\_negara | id\_agen |
| DD001 | David de Gea | 07-11-1990 | MU001 | ESP | AGEN020 |
| VL001 | Victor Lindelof | 17-07-1994 | MU001 | SWE | AGEN021 |
| PJ001 | Phil Jones | 21-02-1992 | MU001 | ENG | AGEN022 |
| CS001 | Chris Smalling | 22-11-1989 | MU001 | ENG | AGEN023 |
| NM001 | Nemanja Matic | 01-08-1989 | MU001 | SER | AGEN008 |
| PP001 | Paul Pogba | 15-03-1993 | MU001 | FRN | AGEN009 |
| AH001 | Ander Herrera | 14-08-1989 | MU001 | ESP | AGEN010 |
| JM001 | Juan Mata | 28-04-1988 | MU001 | ESP | AGEN011 |
| RL001 | Romelu Lukaku | 13-05-1993 | MU001 | BEL | AGEN012 |
| MR001 | Marcus Rashford | 31-10-1997 | MU001 | ENG | AGEN001 |
| AM001 | Anthony Martial | 05-12-1995 | MU001 | FRN | AGEN002 |
| PC001 | Petr Cech | 20-05-1982 | AR001 | CZE | AGEN003 |
| SM001 | Shkodran Mustafi | 17-04-1992 | AR001 | GER | AGEN004 |
| LK001 | Laurent Koscielny | 10-09-1985 | AR001 | FRN | AGEN005 |
| NM002 | Nacho Monreal | 26-02-1986 | AR001 | ESP | AGEN006 |
| HB001 | Hector Bellerin | 19-03-1995 | AR001 | ESP | AGEN004 |
| CJ001 | Carl Jenkinson | 08-02-1992 | AR001 | FIN | AGEN005 |
| AR001 | Aaron Ramsey | 26-12-1990 | AR001 | WLS | AGEN006 |
| MO001 | Mesut Ozil | 15-10-1988 | AR001 | GER | AGEN007 |
| DW001 | Danny Welbeck | 26-11-1990 | AR001 | ENG | AGEN008 |
| JC001 | Jasper Cillessen | 22-04-1989 | BA001 | HOL | AGEN009 |
| SU001 | Samuel Umtiti | 14-11-1993 | BA001 | FRN | AGEN010 |
| GP001 | Gerard Pique | 02-02-1987 | BA001 | ESP | AGEN011 |
| JA001 | Jordi Alba | 21-03-1989 | BA001 | ESP | AGEN022 |
| NS001 | Nelson Semedo | 16-11-1993 | BA001 | POR | AGEN023 |
| PC002 | Philippe Countinho | 12-06-1992 | BA001 | BRA | AGEN024 |
| OD001 | Ousmane Dembele | 15-05-1997 | BA001 | FRN | AGEN025 |
| LM001 | Lionel Messi | 24-06-1987 | BA001 | ARG | AGEN026 |
| SB001 | Sergio Busquets | 16-07-1988 | BA001 | ESP | AGEN027 |
| FL001 | Filipe Luis | 09-08-1985 | AT001 | BRA | AGEN028 |
| JU001 | Juanfran | 09-01-1985 | AT001 | ESP | AGEN029 |
| KO001 | Koke | 08-01-1992 | AT001 | ESP | AGEN030 |
| VI001 | Vitolo | 02-11-1989 | AT001 | ESP | AGEN015 |
| AG001 | Antoine Griezmann | 21-03-1991 | AT001 | FRN | AGEN016 |
| DC001 | Diego Costa | 07-10-1988 | AT001 | ESP | AGEN017 |
| PD001 | Paulo Dybala | 15-11-1993 | JU001 | ARG | AGEN018 |
| CR001 | Cristiano Ronaldo | 05-02-1985 | JU001 | POR | AGEN019 |
| MM001 | Mario Mandzukic | 21-05-1986 | JU001 | CRO | AGEN027 |
| LM002 | Luka Modric | 09-09-1985 | RM001 | CRO | AGEN028 |
| AD001 | Angel Di Maria | 14-02-1988 | PS001 | ARG | AGEN020 |
| KM001 | Kylian Mbappe | 20-12-1998 | PS001 | FRN | AGEN022 |
| NE001 | Neymar | 05-02-1992 | PS001 | BRA | AGEN023 |
| HK001 | Hiroshi Kiyotake | 12-11-1989 | CO001 | JPN | AGEN024 |
| YM001 | Yusuke Maruhasi | 02-09-1990 | CO001 | JPN | AGEN025 |
| MI001 | Mauri Icardi | 19-02-1993 | IM001 | ARG | AGEN026 |
| LI001 | Lorenzo Insigne | 04-06-1991 | NA001 | ITA | AGEN027 |
| JP001 | Javier Pastore | 20-06-1989 | AR002 | ARG | AGEN028 |
| DA001 | Dani Alves | 06-05-1983 | PS001 | BRA | AGEN029 |
| IR001 | Ivan Rakitic | 10-03-1998 | BA001 | CRO | AGEN030 |

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| --- | --- | --- | --- | --- |
| Transaksi | | | | |
| id\_transaksi | club\_asal | club\_baru | biaya\_transfer | tgl\_transfer |
| TRANS001 | EV001 | MU001 | 50000000 | 10-07-2017 |
| TRANS002 | JU001 | MU001 | 70000000 | 09-08-2016 |
| TRANS003 | AM001 | MU001 | 20000000 | 09-08-2017 |
| TRANS004 | NA001 | PS001 | 55000000 | 09-08-2012 |
| TRANS005 | RM001 | AR001 | 40000000 | 09-08-2016 |
| TRANS006 | MU001 | BA001 | 5500000 | 01-07-2008 |
| TRANS007 | AM001 | MU001 | 8000000 | 01-09-2015 |
| TRANS008 | CH001 | AT001 | 50000000 | 01-01-2018 |
| TRANS009 | CH001 | AT001 | 15000000 | 28-07-2015 |
| TRANS010 | LI001 | BA001 | 90000000 | 06-01-2018 |
| TRANS011 | LY001 | BA001 | 15000000 | 12-06-2016 |
| TRANS012 | TO001 | RM001 | 40000000 | 27-08-2012 |
| TRANS013 | SE001 | BA001 | 20000000 | 01-07-2014 |
| TRANS014 | CH001 | EV001 | 25000000 | 31-05-2014 |
| TRANS015 | EV001 | CH001 | 24000000 | 02-09-2014 |
| TRANS016 | IM001 | LI001 | 9000000 | 06-01-2013 |
| TRANS017 | AT001 | MU001 | 12000000 | 01-07-2011 |
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| TRANS019 | AT001 | CH001 | 35000000 | 07-01-2014 |
| TRANS020 | MU001 | RM001 | 60000000 | 01-07-2009 |
| TRANS021 | RM001 | JU001 | 100000000 | 10-07-2018 |
| TRANS022 | CH001 | AR001 | 12000000 | 01-07-2015 |
| TRANS023 | MU001 | AR001 | 17000000 | 01-09-2014 |
| TRANS024 | VA001 | CH001 | 26000000 | 24-08-2011 |
| TRANS025 | CHO01 | MU001 | 38000000 | 24-08-2014 |
| TRANS026 | RM001 | VA001 | 1100000 | 01-07-2007 |
| TRANS027 | VA001 | BA001 | 10000000 | 01-07-2012 |
| TRANS028 | AT001 | JU001 | 20000000 | 01-07-2015 |
| TRANS029 | BA001 | AR001 | 500000 | 01-07-2011 |
| TRANS030 | RM001 | MU001 | 50000000 | 25-08-2014 |
| TRANS031 | MU001 | PS001 | 50000000 | 06-08-2015 |
| TRANS032 | PS001 | AR002 | 15000000 | 01-07-2018 |
| TRANS033 | MU001 | JU001 | 3500000 | 03-08-2012 |
| TRANS034 | BA001 | JU001 | 9000000 | 01-07-207 |
| TRANS035 | BA001 | PS001 | 106000000 | 01-08-2014 |
| TRANS036 | MU001 | CH001 | 20000000 | 01-09-2018 |
| TRANS037 | CH001 | MU001 | 20000000 | 01-09-2018 |
| TRANS038 | MU001 | CH001 | 20000000 | 01-09-2018 |
| TRANS039 | MC001 | RM001 | 20000000 | 01-09-2018 |
| TRANS040 | RM001 | MC001 | 20000000 | 01-09-2018 |
| TRANS041 | MC001 | RM001 | 20000000 | 01-09-2018 |

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| --- | --- | --- |
| D\_Transaksi | | |
| id\_transaksi | id\_player | subtotal |
| TRANS001 | RL001 | 50000000 |
| TRANS002 | PP001 | 70000000 |
| TRANS003 | AH001 | 20000000 |
| TRANS004 | EC001 | 55000000 |
| TRANS005 | MO001 | 40000000 |
| TRANS006 | GP001 | 5500000 |
| TRANS007 | AM001 | 8000000 |
| TRANS008 | DC001 | 50000000 |
| TRANS009 | FL001 | 15000000 |
| TRANS010 | PC002 | 90000000 |
| TRANS011 | SU001 | 15000000 |
| TRANS012 | LM001 | 40000000 |
| TRANS013 | IR001 | 20000000 |
| TRANS014 | RL001 | 25000000 |
| TRANS015 | RL001 | 24000000 |
| TRANS016 | PC002 | 9000000 |
| TRANS017 | DD001 | 12000000 |
| TRANS018 | NE001 | 50000000 |
| TRANS019 | DC001 | 35000000 |
| TRANS020 | CR001 | 60000000 |
| TRANS021 | CR001 | 100000000 |
| TRANS022 | PC001 | 12000000 |
| TRANS023 | DW001 | 17000000 |
| TRANS024 | JM001 | 26000000 |
| TRANS025 | JM001 | 38000000 |
| TRANS026 | JM001 | 1100000 |
| TRANS027 | JA001 | 10000000 |
| TRANS028 | MM001 | 20000000 |
| TRANS029 | HB001 | 500000 |
| TRANS030 | AD001 | 50000000 |
| TRANS031 | AD001 | 50000000 |
| TRANS032 | JP001 | 15000000 |
| TRANS033 | PP001 | 3500000 |
| TRANS034 | DA001 | 6000000 |
| TRANS035 | NE001 | 100000000 |
| TRANS035 | DA001 | 6000000 |

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| club\_manager | |
| Id\_club | Id\_manager |
| MU001 | MAN002 |
| AR001 | MAN003 |
| MC001 | MAN004 |
| CH001 | MAN005 |
| LI001 | MAN006 |
| TO001 | MAN007 |
| BA001 | MAN008 |
| RM001 | MAN009 |
| AT001 | MAN010 |
| SE001 | MAN011 |
| VA001 | MAN012 |
| JU001 | MAN013 |
| AM002 | MAN014 |
| IM001 | MAN015 |
| NA001 | MAN016 |
| AR002 | MAN017 |
| PS001 | MAN018 |
| AM001 | MAN019 |
| LY001 | MAN020 |
| LI002 | MAN021 |
| MA001 | MAN022 |
| SA001 | MAN023 |
| SP001 | MAN024 |
| FL001 | MAN025 |