

```

1 SELECT PassengerName, Age
2 FROM customer
3 WHERE Age > 22
4 ORDER BY Age DESC;
5

```

PassengerName	Age ▾ 1
Jishnu CR	32
Arya C S	30
Hima Prabhakar K	29
Harisankar K	26
Shalu Ajayan	24
Anjana K Arjunan	24
Gouthami.M.S	23
Deepeshkumar K	23
Nandana.C.J	23
Roshin R Jacob	23
Alan Johnson	23

```

1 SELECT Type, COUNT(*) AS TotalTransactions, SUM(Amount) AS TotalAmount
2 FROM payment
3 GROUP BY Type;
4

```

Type	TotalTransactions	TotalAmount
Card	4	6000.00
Cash	12	15750.00
UPI	7	8650.00

```

1 SELECT t.TicketID,
2        t.PassengerName,
3        ts.Train_Name,
4        t.Source,
5        t.Destination,
6        t.ClassType,
7        ts.Distance
8 FROM   ticket      t
9 JOIN   trainservice ts ON ts.Train_Id = t.Train_Id
10 WHERE t.Date BETWEEN '2024-11-15' AND '2024-11-30';

```

TicketID	PassengerName	Train_Name	Source	Destination	Class Type	Distance
2004	Alan Johnson	KERALA S KRANTHI	SURAT(ST)	ERNAKULAM JN(ERS)	2AC	999.99
2003	Ajal Krishna A	TEJAS RAJADHANI EXPRESS	NEW DELHI(NDLS)	PATNA JN(PNBE)	2S	999.99
2017	Nandana.C.J	TEJAS RAJADHANI EXPRESS	KANPUR CTRL(CNB)	PRAYAGRAJ JN(PRYJ)	2AC	999.99
2022	Varna Rojin KK	TEJAS RAJADHANI EXPRESS	KANPUR CTRL(CNB)	DD UPADHYAYA JN(DDU)	1AC	999.99
2011	Gouthami.M.S	MANGALA LAKSHADWEEP EXP	ERNAKULAM JN(ERS)	KASARAGOD(KGQ)	GN	999.99
2013	Hima Prabhakar K	CHENNAI EXPRESS	GURUVAYUR(GUV)	CHENNAI EGMORE(MS)	3AC	999.99
2001	Adarsh M S	KUMBALA EXPRESS	PARAVUR(PVU)	BEKAL FORT(BFR)	SL	632.00
2006	Anjana K Arjunan	KUMBALA EXPRESS	MAVELIKKARA(MVLK)	KUMBALA(KMQ)	SL	632.00
2014	Jishnu CR	KUMBALA EXPRESS	PARAVUR(PVU)	KANNUR(CAN)	2S	632.00
2018	Roshin R Jacob	KUMBALA EXPRESS	KOTTAYAM(KTYM)	TRIKARIPUR(TKQ)	SL	632.00
2002	Adhil Nazim Nazeer	BOMB EXPRESS	ALAPPUZHA(ALLP)	TIRUR(TIR)	GN	600.00
2005	Amrithasmera V	BOMB EXPRESS	KOLLAM(QLN)	KOZHIKODE(CLT)	GN	600.00
2016	Lakshmi Nandana M S	BOMB EXPRESS	KOLLAM(QLN)	SHORANUR JUNCTION(SR	GN	600.00
2015	Kiran Raj P	PUNE EXPRESS	ALUVA(AWY)	PUNE JN(PUNE)	3AC	999.99
2019	Shalu Ajayan	PUNE EXPRESS	THRISSUR(TCR)	CHIPLUN(CHI)	1AC	999.99
2009	Deepeshkumar K	KATTAPANA SF EXPRESS	KATTAPPANA CTRL(KCT)	MADGAON JN(MAO)	3AC	870.00

```

1 SELECT c.CustId,
2        c.PassengerName,
3        t.TicketID,
4        t.Date
5 FROM   customer c
6 LEFT   JOIN ticket t ON t.PassengerName = c.PassengerName;

```

CustId	PassengerName	TicketID	Date
10000001	Adarsh M S	2001	2024-11-15
10000002	Adhil Nazim Nazeer	2002	2024-11-18
10000003	Ajal Krishna A	2003	2024-11-24
10000004	Alan Johnson	2004	2024-11-21
10000005	Amrithasmera V	2005	2024-11-20
10000006	Anjana K Arjunan	2006	2024-11-17
10000007	Arya C S	2007	2024-12-01
10000008	Aswin Edakkode	2008	2024-12-04
10000009	Deepeshkumar K	2009	2024-11-15
10000010	Fariha Abdul Wahab	2010	2024-11-05
10000011	Gouthami.M.S	2011	2024-11-16
10000012	Harisankar K	2012	2024-11-11
10000013	Hima Prabhakar K	2013	2024-11-20
10000014	Jishnu CR	2014	2024-11-26
10000015	Kiran Raj P	2015	2024-11-30
10000016	Lakshmi Nandana M S	2016	2024-11-27
10000017	Nandana.C.J	2017	2024-11-17
10000018	Roshin R Jacob	2018	2024-11-18
10000019	Shalu Ajayan	2019	2024-11-30
10000020	Shameema Nasrin	2020	2024-11-11
10000021	Sona Vimal	2021	2024-11-10
10000022	Varna Rojin KK	2022	2024-11-20
10000023	Vishnu B	2023	2024-11-12

```

1 SELECT s.ClassType,
2        s.ClassName,
3        COUNT(t.TicketID) AS tickets_in_class
4 FROM   seating s
5 RIGHT JOIN ticket t ON t.ClassType = s.ClassType
6 GROUP BY s.ClassType, s.ClassName;

```

ClassType	ClassName	tickets_in_class
1AC	FIRST AC	2
2AC	SECOND AC	2
2S	SECOND SITTING	2
3AC	THIRD AC	6
CC	AC CHAIR CAR	1
GN	GENERAL	6
SL	SLEEPER	4

```

1 SELECT t.*
2 FROM   ticket t
3 WHERE  t.Train_Id IN ( -- any train run by premium operators
4         SELECT ts.Train_Id
5         FROM   trainservice ts
6         JOIN   trainoperator op
7               ON op.OperatorName LIKE '%Rajdhani%' -- or category match
8     );
9

```

TicketID	PassengerName	Date	Train_Id	Source	Destination	ClassType	CustId
2004	Alan Johnson	2024-11-21	12218	SURAT(ST)	ERNAKULAM JN(ERS)	2AC	NULL
2003	Ajal Krishna A	2024-11-24	12310	NEW DELHI(NDLS)	PATNA JN(PNBE)	2S	NULL
2017	Nandana.C.J	2024-11-17	12310	KANPUR CTRL(CNB)	PRAYAGRAJ JN(PRYJ)	2AC	NULL
2022	Varna Rojin KK	2024-11-20	12310	KANPUR CTRL(CNB)	DD UPADHYAYA JN(DDU)	1AC	NULL
2010	Fariha Abdul Wahab	2024-11-05	12617	ERNAKULAM JN(ERS)	KASARAGOD(KGQ)	CC	NULL
2011	Gouthami.M.S	2024-11-16	12617	ERNAKULAM JN(ERS)	KASARAGOD(KGQ)	GN	NULL
2023	Vishnu B	2024-11-12	12617	PATTAMBI(PTB)	KANHANGAD(KZE)	GN	NULL
2007	Arya C S	2024-12-01	13351	PALAKKAD JN(PGT)	CHERTHALA(SRTL)	GN	NULL
2008	Aswin Edakkode	2024-12-04	16128	GURUVAYUR(GUV)	CHENNAI EGMORE(MS)	3AC	NULL
2013	Hima Prabhakar K	2024-11-20	16128	GURUVAYUR(GUV)	CHENNAI EGMORE(MS)	3AC	NULL
2021	Sona Vimal	2024-11-10	16128	CHALAKUDI(CKL)	ERANIEL(ERL)	SL	NULL
2001	Adarsh M S	2024-11-15	16347	PARAVUR(PVU)	BEKAL FORT(BFR)	SL	NULL
2006	Anjana K Arjunan	2024-11-17	16347	MAVELIKKARA(MVLK)	KUMBALA(KMQ)	SL	NULL
2014	Jishnu CR	2024-11-26	16347	PARAVUR(PVU)	KANNUR(CAN)	2S	NULL
2018	Roshin R Jacob	2024-11-18	16347	KOTTAYAM(KTYM)	TRIKARIPUR(TKQ)	SL	NULL
2002	Adhil Nazim Nazeer	2024-11-18	16606	ALAPPUZHA(ALLP)	TIRUR(TIR)	GN	NULL
2005	Amrithasmera V	2024-11-20	16606	KOLLAM(QLN)	KOZHIKODE(CLT)	GN	NULL
2016	Lakshmi Nandana M S	2024-11-27	16606	KOLLAM(QLN)	SHORANUR JUNCTION(SR	GN	NULL
2012	Harisankar K	2024-11-11	22149	KUNDAPURA(KUDA)	RATNAGIRI(RN)	3AC	NULL
2015	Kiran Raj P	2024-11-30	22149	ALUVA(AWY)	PUNE JN(PUNE)	3AC	NULL
2019	Shalu Ajayan	2024-11-30	22149	THRISSUR(TCR)	CH IPLUN(CHI)	1AC	NULL
2020	Shameema Nasrin	2024-11-11	22149	THRISSUR(TCR)	UDUPI(UD)	3AC	NULL

```
1 SELECT Type AS payment_method,  
2        COUNT(*) AS payments,  
3        SUM(Amount) AS total_collected,  
4        AVG(Amount) AS avg_ticket_price  
5 FROM payment  
6 GROUP BY Type;  
7
```

payment_method	payments	total_collected	avg_ticket_price
Card	4	6000.00	1500.000000
Cash	12	15750.00	1312.500000
UPI	7	8650.00	1235.714286