



Database Sharding

Roll No	Name	Age	Class	DoB	Address	Region	Domicile	CGPA	Blood	Gender	Session
1	Ahmed	18	M2	11/11/2001	Farid Town	Multan	Multan	3.1	A+	Male	2020-24
2	Alisha	19	M2	01/01/2001	Shadman	Sahiwal	Sahiwal	3.4	B+	Female	2020-24

3	Babar	27	Captain	15/10/1994	PCB	Lahore	Lahore	Fail	O-	Male	2019-23
4	Noor	20	M2	10/12/2002	Pak Avenue	Sahiwal	Sahiwal	3.5	AB+	Female	2020-24

# Horizontal Partitions

Roll No	Name	Age	Class	DoB	Address	Region	Domicile	CGPA	Blood	Gender	Session
1	Ahmed	18	M2	11/11/2001	Farid Town	Multan	Multan	3.1	A+	Male	2020-24
2	Alisha	19	M2	01/01/2001	Shadman	Sahiwal	Sahiwal	3.4	B+	Female	2020-24

3	Babar	27	Captain	15/10/1994	PCB	Lahore	Lahore	Fail	O-	Male	2019-23
4	Noor	20	M2	10/12/2002	Pak Avenue	Sahiwal	Sahiwal	3.5	AB+	Female	2020-24

RangeBasedSharding



Product	Price
Dairy Milk	570
Ramen	660
Water	120
Coke	150
Shampoo	1200
Foot Ball	1400