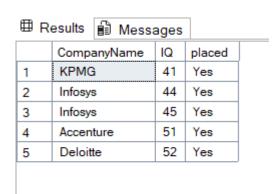
1. Write a Query to display top 10 students names who got low CGPA from previous semester and present too?

Ans. select top 10 StudentName,PrevSemResult,CGPA from student_details where CGPA < 6 or PrevSemResult < 6 order by CGPA asc, PrevSemResult asc;

	StudentName	PrevSemResult	CGPA
1	Anika	5.03	4.54
2	Nikhil	5.01	4.56
3	Siddharth	5.06	4.57
4	Ananya	5.02	4.58
5	Sai	5.03	4.59
6	Isha	5.04	4.59
7	Diya	5.06	4.59
8	Sanvi	5.04	4.60
9	Diya	5.09	4.60
10	Diya	5.00	4.61

2. Write a Query to display five company names who hired low IQ students?

Ans. select top 5 CompanyName,IQ,placement as placed from student_details where IQ < 60 and Placement = 'yes' group by IQ, Placement,CompanyName order by IQ asc;



3. Write a Query to display top 5 weak performers based on CGPA and Package?

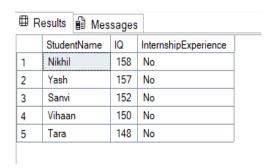
Ans. select top 5 StudentName, CGPA, Package
from student_details
where CGPA <= 5 AND Package <= 5
order by CGPA desc;</pre>

	StudentName	CGPA	Package
1	Siddharth	4.99	5
2	Aditya	4.97	5
3	Shruti	4.97	3
4	Kavya	4.96	5
5	Saanvi	4.87	4

4. Write a Query to display names who having high IQ with No experience?

Ans. select top 5 StudentName, IQ, InternshipExperience from student_details

where IQ >= 140 and InternshipExperience = 'no' group by IQ, InternshipExperience, StudentName order by IQ desc;

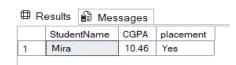


5. Write a query to display top student who got highest CGPA and placed?

Ans. select top 1 StudentName, CGPA, placement

from student_details where Placement = 'yes'

order by CGPA desc;



- 6. Write a query to display top 5 students who got placed and Package with 20% Hike?
- Ans. select top 5 studentname , package , package *20.0/100.0 as Hike from student_details

where Placement = 'yes';

⊞ R	esults 🖺 Me	ssages	
	studentname	package	Hike
1	Aarav	3	0.600000
2	Anika	24	4.800000
3	Arjun	25	5.000000
4	Asha	14	2.800000
5	Ishaan	9	1.800000

Operators

★ Write a query to display name who got placed and CGPA greater than 10?

select top 5 StudentName, Placement

from student_details

where CGPA >10 AND Placement = 'no';

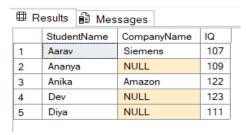
E Nessages			
	StudentName	Placement	
1	Vihaan	No	
2	Tara	No	
3	Dev	No	
4	Rohan	No	
5	Sai	No	

★ Write a query to display student got placed in amazon or IQ is greater than 100?

select top 5 StudentName,CompanyName,IQ

from student_details

where CompanyName = 'amazon' OR IQ > 100;



★ Write a query to display name of students who doesn't having bond one year?

select top 5 StudentName,Bond

from student_details

where NOT Bond = '1 year';



★ Write a query to display name of students who working as amazon, Deloitte,tcs and Infosys?

select top 8 StudentName,CompanyName

from student_details

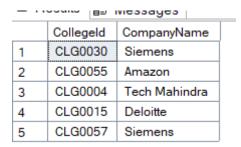
where CompanyName IN ('amazon','deloitte','tcs','infosys');

★ Write a query to display ID of students who not working in KPMG and Oracle?

select top 5 CollegeId,CompanyName

from student_details

where CompanyName NOT IN ('KPMG','Oracle');

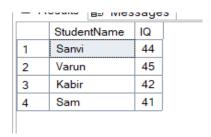


★ Write a Query to display name of students who are having IQ in the range of 40 to 50?

select top 5 StudentName,IQ

from student_details

where IQ between '40' and '50';

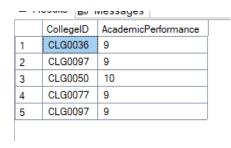


★ Write a query to display ID of students who are not having academic performance is 2 to 8?

select top 5 CollegeID, Academic Performance

from student_details

where AcademicPerformance NOT BETWEEN '2' and '8';



★ Write a Query to display names of students having first letter A and last letter A?

select top 5 StudentName

from student_details

where StudentName like 'a%a';

	B2 11100	Jug
	StudentName	
1	Aditya	
2	Ananya	
3	Anika	
4	Asha	
5	Aditya	

★ All Operators

select top 5 StudentName, IQ, CGPA, Placement, CompanyName, Bond, Package

from student_details

where CompanyName IN ('amazon','oracle') And

Bond NOT IN ('1 year') And

CGPA BETWEEN '6'AND '8' And

Package NOT BETWEEN '10' AND '15' And

CompanyName LIKE '__a_%' And

⊞ Kesuits | 🔠 Messages |

	StudentName	IQ	CGPA	Placement	CompanyName	Bond	Package
1	Aarav	107	6.28	Yes	Siemens	1 Year	3
2	Anika	122	5.75	Yes	Amazon	2 Years	24
3	Arjun	96	7.69	Yes	Tech Mahindra	2 Years	25
4	Asha	96	5.32	Yes	Deloitte	3 Years	14
5	Ishaan	108	8.60	Yes	Siemens	3 Years	9

MULTI ROW FUNCTIONS

★ Write a query to display names of student who got highest CGPA?

select top 5 StudentName, max(CGPA) as CGPA

from student_details

group by StudentName;

	_		
	StudentName	CGPA	
1	Asha	10.35	
2	Saanvi	10.44	
3	Aditya	10.35	
4	Kavya	10.42	
5	Rohan	10.27	

★ Write a query to display names of students who got lowest CGPA on previous semester?

select top 5 StudentName, min(PrevSemResult) as PreCGPA

from student_details

group by StudentName;

	_		
	StudentName	PreCGPA	
1	Asha	5.02	
2	Saanvi	5.01	
3	Aditya	5.01	
4	Kavya	5.00	
5	Rohan	5.10	

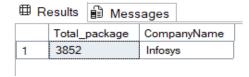
★ write a query to display total package of company that having starting letter I and ending letter S?

select sum(package)as Total_package,CompanyName

from student_details

where CompanyName like 'i%s'

group by CompanyName;



★ write a query to display average CGPA based on Academic performance?

select avg(CGPA)as Avg_CGPA,AcademicPerformance

from student_details

where AcademicPerformance between '5' and '6'

group by AcademicPerformance;

	ug				
	Avg_CGPA	AcademicPerformance			
1	7.516000	6			
2	7.587741	5			

★ write a query to display total students who having IQ knowledge is 100?

select count(collegeID) as Total_Students , IQ

from student_details

where IQ =100

group by IQ;

⊞ R	esults	Mess	ages	
	Total_	Students	IQ	
1	263		100	

SUB QUERIES

★ write a query to display names of students who got package higher than average package?

select top 5 studentname, package

from student_details

where package > (select avg(package)

from student details);

⊞ Results 📋 Messages			
	studentname	package	
1	Anika	24	
2	Arjun	25	
3	Asha	14	
4	Kabir	15	
5	Rohan	14	

★ write a query to display who got higer CGPA then palced students who got low CGPA?

select top 5 studentname, CGPA, Placement

from student_details

where CGPA > (select min(CGPA)

from student_details

where Placement ='yes');

Tresum Bi Messages					
	studentname	CGPA	Placement		
1	Aarav	6.28	Yes		
2	Aditya	5.37	No		
3	Ananya	5.83	No		
4	Anika	5.75	Yes		
5	Arjun	7.69	Yes		

★ write a query to display names of students who got highest CGPA than CGPA of student who having highest package ?

	studentname	CGPA	package
1	Aarav	6.28	3
2	Aditya	5.37	NULL
3	Ananya	5.83	NULL
4	Anika	5.75	24
5	Arjun	7.69	25

SINGLE ROW FUNCTIONS

Upper and Lower:

select top 5 StudentName, Upper(StudentName) as UpperName, Lower(StudentName)as LowerName from student_details;

₩ 1	Results	sages	
	StudentName	UpperName	LowerName
1	Aarav	AARAV	aarav
2	Aditya	ADITYA	aditya
3	Ananya	ANANYA	ananya
4	Anika	ANIKA	anika
5	Arjun	ARJUN	arjun

SubStr/SubString:

select top 5 StudentName
from student_details
where SUBSTRING(StudentName, 1, 3) != 'aar';

	StudentName		
1	Aditya		
2	Ananya		
3	Anika		
4	Arjun		
5	Asha		

ConCat:

select top 5 StudentName, CGPA, Placement, concat(StudentName, 'scored', CGPA, 'and Placement is', Placement) AS Summary from student_details;

	StudentName	CGPA	Placement	Summary
1	Aarav	6.28	Yes	Aarav scored 6.28 and Placement is Yes
2	Aditya	5.37	No	Aditya scored 5.37 and Placement is No
3	Ananya	5.83	No	Ananya scored 5.83 and Placement is No
4	Anika	5.75	Yes	Anika scored 5.75 and Placement is Yes
5	Arjun	7.69	Yes	Arjun scored 7.69 and Placement is Yes

Length:

select top 5 StudentName, DATALENGTH(StudentName) as Length from student_details;

	_		
	StudentName	Length	
1	Aarav	5	
2	Aditya	6	
3	Ananya	6	
4	Anika	5	
5	Arjun	5	

Round:

select StudentName, CGPA, ROUND(CGPA, 1) as Rounded_CGPA from student_details;

ug						
	StudentName	CGPA	Rounded_CGPA			
1	Aarav	6.28	6.30			
2	Aditya	5.37	5.40			
3	Ananya	5.83	5.80			
4	Anika	5.75	5.80			
5	Arjun	7.69	7.70			
6	Asha	5.32	5.30			
7	Dev	6.58	6.60			
8	Diya	8.76	8.80			
9	Isha	6.33	6.30			
10	Ishaan	8.60	8.60			
11	Kabir	8.90	8.90			
12	Kavya	6.51	6.50			
13	Krish	9.01	9.00			
1/	Meera	8.40	8 40			