

Q-1. Write an SQL query to print the first three characters of *FIRST_NAME* from *Worker* table.

Original table

```
select * from Worker
```

100 %

Results Messages

	sid_Employee	emp_no	birth_date	first_name	last_name	gender	sid_Date	hire_date	Salary	Department_id	Department
1	1	10001	1963-09-02	Georgi	Facello	M	35670	2001-06-26	84917	5	Development
2	2	10002	1974-06-02	Bezael	Simmel	F	64460	2000-11-21	68366	7	Sales
3	3	10003	1969-12-03	Parto	Bamford	M	60020	2001-08-28	43478	4	Production
4	4	10004	1964-05-01	Christian	Koblick	M	7190	2001-12-01	69722	4	Production
5	5	10005	1965-01-21	Kiyochi	Maiurak	M	64890	2004-09-12	90531	3	Human Resources
6	6	10006	1963-04-20	anneke	Preusig	F	50230	2004-06-02	58299	5	Development
7	7	10007	1967-05-23	Tzvetan	Zielinski	F	18730	2004-02-10	79513	8	Research

Answer

select left(first_name,3) as first_3 from worker

```
select * from Worker
```

```
select left(first_name,3) as first_3 from worker
```

100 %

Results Messages

first_3

1	Geo
2	Bez
3	Par
4	Chi
5	Kyo
6	ann
7	Tzv
8	San
9	Sum
10	Dua
11	Mar
12	Pat

Q-2. Write an SQL query to find the position of the alphabet ('a') in the first name column 'Amitabh' from *Worker* table.

Answer: **select CHARINDEX('a',first_name) from Worker where first_name = 'Amitabh'**

```
select left(first_name,3) as first_3 from worker
select CHARINDEX('a',first_name) from Worker where first_name = 'Amitabh'
```

100 %

Results Messages

	(No column name)
1	1
2	1
3	1
4	1

Query executed successfully.

Q-3 Write an SQL query to print the name of employees having the highest salary in each department.

Answer:

select w1.first_name,w1.last_name,w1.Department, w1.salary from worker w1 where w1.salary in (select max(w2.salary) as Salary from worker w2 group by w2.Department having w1.Department = w2.Department);

```
select w1.first_name,w1.last_name,w1.Department, w1.salary from worker w1
where w1.salary in (select max(w2.salary) as Salary from worker w2 group by w2.Department having w1.Department = w2.Department);
```

100 %

Results Messages

	first_name	last_name	Department	salary
1	Ramachenga	Soicher	Research	125650
2	Youjian	Cronau	Production	135510
3	Clyde	Georgakopoulos	Marketing	140542
4	Jixiang	Rindone	Development	132401
5	Yinlin	Flowers	Human Resources	135131
6	Chaitali	Baik	Not specified	143221
7	Bedrich	Luft	Customer Service	142600
8	Genki	Delaune	Finance	136106
9	Tsutomu	Alameldin	Sales	154885
10	Shin	Luck	Quality Management	124603

Query executed successfully.

MS SQL Server (15.0 RTM) | ca (55) | Human Resources | 00:00:00 | 1