




SQL ASSIGNMENT - 02

Result Grid						
		Filter Rows:		Edit:   		
	ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
	1	Monika	Arora	100000	2014-02-20	HR
	2	Niharika	Verma	80000	2014-06-11	Admin
	3	Vishal	Singhal	300000	2014-02-20	HR
	4	Amitabh	Singh	500000	2014-02-20	Admin
▶	5	Vivek	Bhati	500000	2014-06-11	Admin
	6	Vipul	Diwan	200000	2014-06-11	Account
	7	Satish	Kumar	75000	2014-01-20	Account
	8	Geetika	Chauhan	90000	2014-04-11	Admin

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

```
In [14]: cur.execute("select substring(FIRST_NAME,1,3) from Worker")

In [15]: cur.fetchall()

Out[15]: [('Mon',),
          ('Nih',),
          ('Vis',),
          ('Ami',),
          ('Viv',),
          ('Vip',),
          ('Sat',),
          ('Gee',)]
```

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

```
In [12]: cur.execute("select INSTR(FIRST_NAME,BINARY'a') from Worker where FIRST_NAME = 'Amitabh'")

In [13]: cur.fetchall()

Out[13]: [(5,)]
```

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

```
3 • select Worker.FIRST_NAME,W1.TotalSalary,W1.Department
4   from (select Max(SALARY) as TotalSalary,DEPARTMENT from Worker group by DEPARTMENT) as W1
5   inner join Worker on W1.TotalSalary = Worker.Salary
6
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

FIRST_NAME	TotalSalary	Department
Vishal	300000	HR
Amitabh	500000	Admin
Vivek	500000	Admin
Vipul	200000	Account

Or

```
In [17]: cur.execute("select Worker.FIRST_NAME,W1.TotalSalary,W1.Department from (select Max(SALARY) as TotalSalary,DEPARTMENT from Worker
<----->

In [18]: cur.fetchall()

Out[18]: [('Vishal', 300000, 'HR'),
          ('Amitabh', 500000, 'Admin'),
          ('Vivek', 500000, 'Admin'),
          ('Vipul', 200000, 'Account')]
```