LAB REPORT # 04



DEPARTMENT OF SOFTWARE ENGINEERING

Submitted To MAM ASMA ZAHRA

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SECTION#A

ID: NUML-S21-21490

Subject: DATABASE MANAGEMENT SYSTEM

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LAB REPORT # 04

Using Single-Row Character Functions to Customize Output

- To describe various types of functions available in SQL
- To use character, number, and date functions in SELECT statements

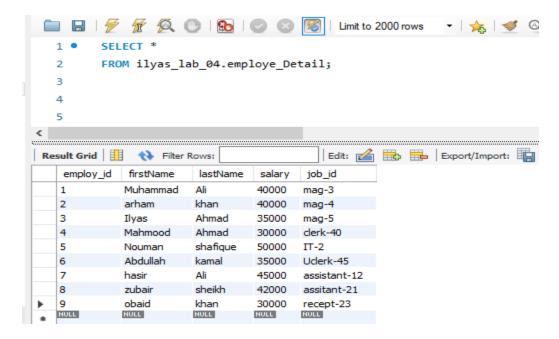
• QUERY TO CREATE A TABLE

```
use ilyas_lab_04;
create table employe Detail(
 employ_id int primary key auto_increment,
 firstName varchar(45) not null,
lastName varchar(45) not null,
 salary int,
job id varchar(45) not null
);
insert into employe Detail(firstName,lastName,salary,job id)
values
('arham', 'khan', 40000, 'mag-4'),
('Ilyas','Ahmad',35000,'mag-5'),
('Nouman','shafique',50000,'IT-2'),
('Abdullah', 'kamal', 35000, 'Uclerk-45'),
('hasir','Ali',45000,'assistant-12'),
('zubair', 'sheikh', 42000, 'assitant-21'),
('obaid','khan',30000,'recept-23'),
('asad','ejaz',32000,'clerk-23');
```

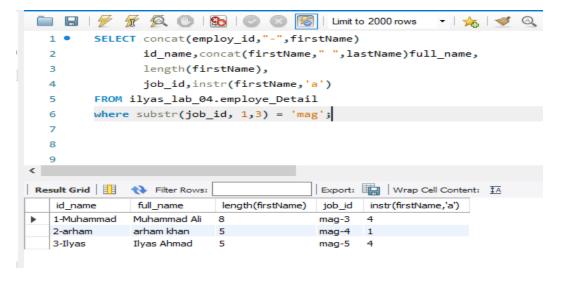
SELECT *

FROM ilyas_lab_04.employe_Detail;

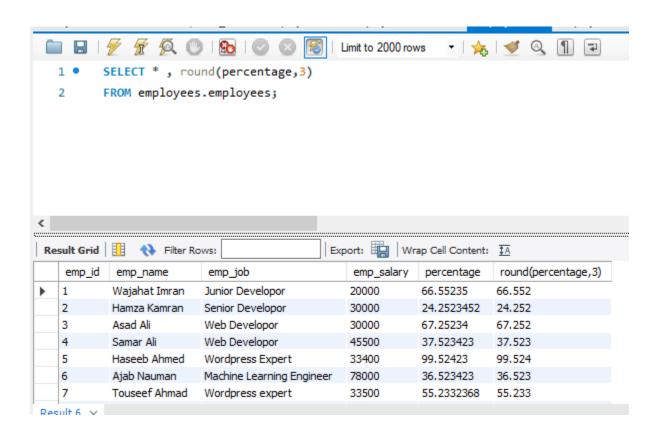
• VIEW OF TABLE



Character manipulation function



Round function



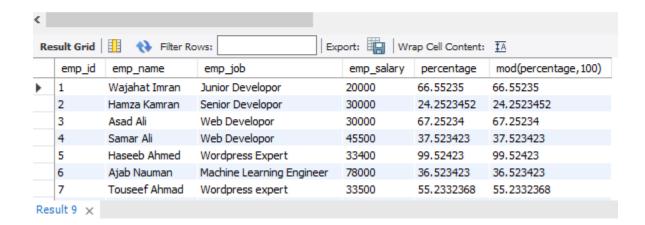
• Truncate function

```
1 • SELECT * , truncate(percentage,2)
2 FROM employees.employees;
```

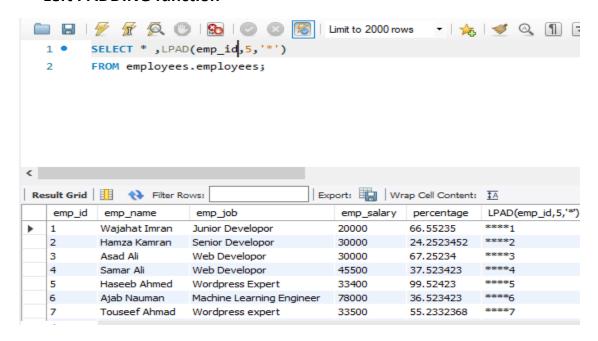
<						
Result Grid 1						<u>‡A</u>
	emp_id	emp_name	emp_job	emp_salary	percentage	truncate(percentage,2)
•	1	Wajahat Imran	Junior Developor	20000	66.55235	66.55
	2	Hamza Kamran	Senior Developor	30000	24.2523452	24.25
	3	Asad Ali	Web Developor	30000	67.25234	67.25
	4	Samar Ali	Web Developor	45500	37.523423	37.52
	5	Haseeb Ahmed	Wordpress Expert	33400	99.52423	99.52
	6	Ajab Nauman	Machine Learning Engineer	78000	36.523423	36.52
	7	Touseef Ahmad	Wordpress expert	33500	55.2332368	55.23
Result 7 ×						

Mod function

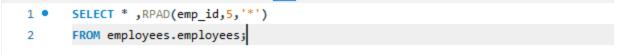
```
1 • SELECT * , mod(percentage, 100)
2 FROM employees: employees;
```

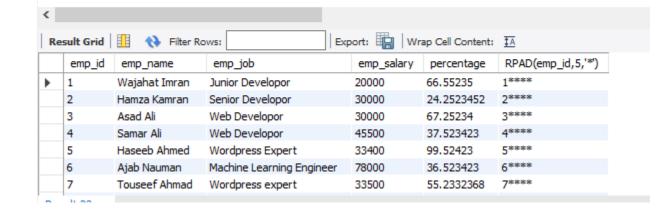


Left PADDING function



• Right PADDING function





• Trim function

```
1 • SELECT * ,trim('J' from 'Junior')
2 FROM employees.employees;
```

