**Hackathon 2.0**

1. **Triangles data  
   Q.1  
   Create table triangles\_table**

**(Triangle int, Side\_A int, Side\_B int, Side\_C int);**

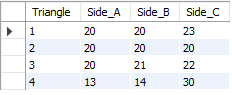
**Insert triangles\_table (Triangle, Side\_A, Side\_B, Side\_C)values(1,20,20,23),**

**(2,20,20,20),**

**(3,20,21,22),**

**(4,13,14,30);**

**Select \* from triangles\_table;**



**Q.2**

**i) Select sum(Side\_A) SideA\_total from triangles\_table;**



**ii) Select \*,**

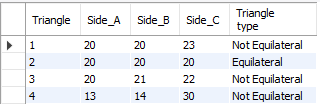
**Case**

**When Side\_A=Side\_B and Side\_B=Side\_C and Side\_A=Side\_C then "Equilateral"**

**else "Not Equilateral"**

**end as "Triangle type"**

**from triangles\_table;**



**iii) Select \*,**

**Case**

**When Side\_A=Side\_B and Side\_B!=Side\_C or**

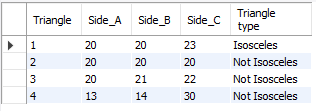
**Side\_B=Side\_C and Side\_A!=Side\_C or**

**Side\_A=Side\_C and Side\_A!=Side\_B then "Isosceles"**

**else "Not Isosceles"**

**end as "Triangle type"**

**from triangles\_table;**



**iv) Select Count(Triangle) No\_of\_triangles from triangles\_table;**



**v) Select Triangle, Side\_B from triangles\_table**

**where Triangle = 3;**



1. **Employees data**

**Q.1  
Create table Employees**

**(employee\_id int, name varchar(50), months int, salary int);**

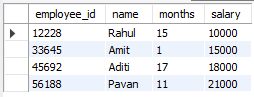
**insert Employees(employee\_id, name, months, salary)values(12228,"Rahul",15,10000),**

**(33645,"Amit",1,15000),**

**(45692,"Aditi",17,18000),**

**(56188,"Pavan",11,21000);**

**Select \* from Employees;**



**Q.2  
i) Select Count(employee\_id) Total\_employees from Employees;**



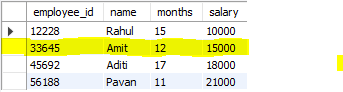
**ii) Select name, salary from Employees**

**where name="Rahul";**



**iii) update Employees set months = 12**

**where name = "Amit";**



**iv) Select sum(salary) Total\_salary from Employees;**



**v) Select Count(name) Names\_starts\_with\_A from Employees**

**Where name like 'A%';**

