

Q1.>

```
mysql>CREATE TABLE customer(  
    custid  int(11) NOT NULL,  
    cname   varchar(20) NOT NULL,  
    adharnum varchar(20) NOT NULL UNIQUE,  
    city    varchar(20),  
    state   varchar(20),  
    PRIMARY KEY ( custid ))
```

```
mysql>CREATE TABLE order1 (  
    orderid  int(11) NOT NULL,  
    orderdate date NOT NULL,  
    orderamt  varchar(20),  
    custid   int(11),  
    PRIMARY KEY ( orderid ),  
    FOREIGN KEY ( custid ) REFERENCES  customer  ( custid ))
```

```
mysql> desc customer;
```

Field	Type	Null	Key	Default	Extra
custid	int(11)	NO	PRI	NULL	
cname	varchar(20)	NO		NULL	
adharnum	varchar(20)	NO	UNI	NULL	
city	varchar(20)	YES		NULL	
state	varchar(20)	YES		NULL	

```
mysql> desc order1;
```

Field	Type	Null	Key	Default	Extra
orderid	int(11)	NO	PRI	NULL	
orderdate	date	NO		NULL	
orderamt	varchar(20)	YES		NULL	
custid	int(11)	YES	MUL	NULL	

```
mysql> select * from customer;
```

custid	cname	adharnum	city	state
101	Apurv	1443223	Jaipur	Raj
102	Akash	3113123	Jaunpur	UP
103	Omkar	3463021	Talegaon	Mahrashtra
104	Yogesh	8885636	Raipur	Chattisgarh
105	Pankaj	3412900	Jaipur	Raj
106	Gurdeep	9650003	Jaunpur	UP
107	Pranav	7500350	Talegaon	Mahrashtra
108	Gaurav	7060405	Mumbai	Maharashtra

```
mysql> select * from order1;
```

orderid	orderdate	orderamt	custid
1452	2017-01-23	150	101
1635	2018-06-01	55	102
1865	2018-08-01	32	103
2145	2018-12-01	345	106

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-----+-----+-----+

	107		Pranav		7500350		Talegaon		Mahrashtra		NULL		NULL
	NULL		NULL										
	108		Gaurav		7060405		Mumbai		Maharashtra		NULL		NULL
	NULL		NULL										

+-----+-----+-----+-----+-----+-----+-----+-----+
---+-----+-----+

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```

Q.2>

```
drop procedure if exists ordtype;
```

```
delimiter //
```

```
create procedure ordtype()
begin
```

```

declare otype varchar(20);
declare oid int;
declare oamt int;
declare odate date;
declare ocid int;
declare cend int default 0;

```

```
declare mycur cursor for select orderid,orderamt,orderdate,custid from
order1;
```

```
declare continue handler for NOT FOUND set cend=1;
```

```

open mycur;
labell:loop

```

```
fetch mycur into oid,oamt,odate,ocid;
```

```

if cend=1 then
leave labell;
end if;

```

```

if oamt>5000 then
set otype="express";
elseif oamt>=3000 then
set otype="fast";
else
set otype="regular";
end if;

```

```
select oid,odate,oamt,ocid,otype;
```

```

end loop;
close mycur;

```

```
end//
```

```
delimiter ;
```

```
mysql> call ordtype();
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 1452 | 2017-01-23 | 150  | 101  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 1635 | 2018-06-01 | 55   | 102  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.04 sec)
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 1865 | 2018-08-01 | 32   | 103  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.09 sec)
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 2145 | 2018-12-01 | 345  | 106  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.13 sec)
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 2345 | 2018-04-01 | 3242 | 103  | fast   |
+-----+-----+-----+-----+-----+
1 row in set (0.17 sec)
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 2645 | 2018-09-01 | 788  | 104  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.21 sec)
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 3211 | 2018-02-01 | 456  | 101  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.24 sec)
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 3343 | 2018-07-01 | 8646 | 102  | express |
+-----+-----+-----+-----+-----+
1 row in set (0.27 sec)
```

```
+-----+-----+-----+-----+-----+
| oid  | odate      | oamt | ocid | otype  |
+-----+-----+-----+-----+-----+
| 3413 | 2018-09-01 | 9545 | 106  | express |
```

```
+-----+-----+-----+-----+-----+
1 row in set (0.31 sec)
```

```
+-----+-----+-----+-----+-----+
| oid | odate      | oamt | ocid | otype |
+-----+-----+-----+-----+-----+
| 6655 | 2018-05-01 | 98   | 102  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.35 sec)
```

```
+-----+-----+-----+-----+-----+
| oid | odate      | oamt | ocid | otype |
+-----+-----+-----+-----+-----+
| 7401 | 2018-10-01 | 552  | 104  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.40 sec)
```

```
+-----+-----+-----+-----+-----+
| oid | odate      | oamt | ocid | otype |
+-----+-----+-----+-----+-----+
| 7565 | 2018-03-01 | 654  | 101  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.45 sec)
```

```
+-----+-----+-----+-----+-----+
| oid | odate      | oamt | ocid | otype |
+-----+-----+-----+-----+-----+
| 7919 | 2018-12-01 | 999  | 105  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.48 sec)
```

```
+-----+-----+-----+-----+-----+
| oid | odate      | oamt | ocid | otype |
+-----+-----+-----+-----+-----+
| 8090 | 2018-11-01 | 24   | 106  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.51 sec)
```

```
+-----+-----+-----+-----+-----+
| oid | odate      | oamt | ocid | otype |
+-----+-----+-----+-----+-----+
| 9711 | 2018-11-01 | 193  | 105  | regular |
+-----+-----+-----+-----+-----+
1 row in set (0.54 sec)
```

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```

Q.3>

```
> use labexamb1
```

```
>
```

```
db.cust.insert({custid:111,custname:'Apurv',city:'Pune',creditamt:5000});
```

```
>
```

```
db.cust.insert({custid:222,custname:'Yogi',city:'Pune',creditamt:3000});
```

```

>
db.cust.insert({custid:333,custname:'Akash',city:'Apinapur',creditamt:250
0});

>
db.cust.insert({custid:444,custname:'Omkar',city:'Talegaon',creditamt:100
0});

>
db.cust.insert({custid:555,custname:'Vishal',city:'Kalyan',creditamt:8000
});

```

```

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```

```

> db.cust.find().pretty();
{
  "_id" : ObjectId("5d9a17e540702a028ec29446"),
  "custid" : 111,
  "custname" : "Apurv",
  "city" : "Pune",
  "creditamt" : 5000
}
{
  "_id" : ObjectId("5d9a189940702a028ec29447"),
  "custid" : 222,
  "custname" : "Yogi",
  "city" : "Pune",
  "creditamt" : 3000
}
{
  "_id" : ObjectId("5d9a189940702a028ec29448"),
  "custid" : 333,
  "custname" : "Akash",
  "city" : "Apinapur",
  "creditamt" : 2500
}
{
  "_id" : ObjectId("5d9a189940702a028ec29449"),
  "custid" : 444,
  "custname" : "Omkar",
  "city" : "Talegaon",
  "creditamt" : 1000
}
{
  "_id" : ObjectId("5d9a189a40702a028ec2944a"),
  "custid" : 555,
  "custname" : "Vishal",
  "city" : "Kalyan",
  "creditamt" : 8000
}

```

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```

```

1.
> db.cust.find({city:/^.p.*$/}).pretty();
{
  "_id" : ObjectId("5d9a189940702a028ec29448"),
  "custid" : 333,
  "custname" : "Akash",
  "city" : "Apinapur",

```

```

        "creditamt" : 2500
    }
    =====
    =====
2.
> db.cust.find({creditamt:{$in:[5000,3000,2500]}}).pretty();
{
  "_id" : ObjectId("5d9a17e540702a028ec29446"),
  "custid" : 111,
  "custname" : "Apurv",
  "city" : "Pune",
  "creditamt" : 5000
}
{
  "_id" : ObjectId("5d9a189940702a028ec29447"),
  "custid" : 222,
  "custname" : "Yogi",
  "city" : "Pune",
  "creditamt" : 3000
}
{
  "_id" : ObjectId("5d9a189940702a028ec29448"),
  "custid" : 333,
  "custname" : "Akash",
  "city" : "Apinapur",
  "creditamt" : 2500
}

```