**old 1: insert into sales values('&pid','&sid','&sname',&unit,sysdate)**

**new 1: insert into sales values('p001','s002','kapil',54,sysdate)**

**1 row created.**

**SQL> /**

**Enter value for pid: s001**

**Enter value for sid: sanjay**

**Enter value for sname: jj**

**Enter value for unit: 0**

**old 1: insert into sales values('&pid','&sid','&sname',&unit,sysdate)**

**new 1: insert into sales values('s001','sanjay','jj',0,sysdate)**

**insert into sales values('s001','sanjay','jj',0,sysdate)**

**\***

**ERROR at line 1:**

**ORA-02291: integrity constraint (SYSTEM.SYS\_C004031) violated - parent key not**

**found**

**SQL> /**

**Enter value for pid: p001**

**Enter value for sid: s001**

**Enter value for sname: sanjay**

**Enter value for unit: 65**

**old 1: insert into sales values('&pid','&sid','&sname',&unit,sysdate)**

**new 1: insert into sales values('p001','s001','sanjay',65,sysdate)**

**1 row created.**

**SQL> /**

**Enter value for pid: p003**

**Enter value for sid: s002**

**Enter value for sname: kapil**

**Enter value for unit: 800**

**old 1: insert into sales values('&pid','&sid','&sname',&unit,sysdate)**

**new 1: insert into sales values('p003','s002','kapil',800,sysdate)**

**1 row created.**

**SQL> /**

**Enter value for pid: p002**

**Enter value for sid: s001**

**Enter value for sname: sanjay**

**Enter value for unit: 55**

**old 1: insert into sales values('&pid','&sid','&sname',&unit,sysdate)**

**new 1: insert into sales values('p002','s001','sanjay',55,sysdate)**

**1 row created.**

**SQL> /**

**Enter value for pid: p002**

**Enter value for sid: s002**

**Enter value for sname: kapil**

**Enter value for unit: 75**

**old 1: insert into sales values('&pid','&sid','&sname',&unit,sysdate)**

**new 1: insert into sales values('p002','s002','kapil',75,sysdate)**

**1 row created.**

**SQL> select \* from sales**

**2 ;**

**PID SID SNAME UNIT SDATE**

**---------- ---------- --------------- ---------- ---------**

**p001 s001 sanjay 15 06-APR-16**

**p001 s002 kapil 54 06-APR-16**

**p001 s001 sanjay 65 06-APR-16**

**p003 s002 kapil 800 06-APR-16**

**p002 s001 sanjay 55 06-APR-16**

**p002 s002 kapil 75 06-APR-16**

**6 rows selected.**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'dd-mm-yyyy') from sales;**

**PID SID SNAME UNIT TO\_CHAR(SD**

**---------- ---------- --------------- ---------- ----------**

**p001 s001 sanjay 15 06-04-2016**

**p001 s002 kapil 54 06-04-2016**

**p001 s001 sanjay 65 06-04-2016**

**p003 s002 kapil 800 06-04-2016**

**p002 s001 sanjay 55 06-04-2016**

**p002 s002 kapil 75 06-04-2016**

**6 rows selected.**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'dd-mm-yyyy hh:min:ss') from sales;**

**select pid,sid,sname,unit,to\_char(sdate,'dd-mm-yyyy hh:min:ss') from sales**

**\***

**ERROR at line 1:**

**ORA-01821: date format not recognized**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'hh:min:ss') from sales;**

**select pid,sid,sname,unit,to\_char(sdate,'hh:min:ss') from sales**

**\***

**ERROR at line 1:**

**ORA-01821: date format not recognized**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'hh') from sales;**

**PID SID SNAME UNIT TO**

**---------- ---------- --------------- ---------- --**

**p001 s001 sanjay 15 08**

**p001 s002 kapil 54 08**

**p001 s001 sanjay 65 08**

**p003 s002 kapil 800 08**

**p002 s001 sanjay 55 08**

**p002 s002 kapil 75 08**

**6 rows selected.**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'hh:mn') from sales;**

**select pid,sid,sname,unit,to\_char(sdate,'hh:mn') from sales**

**\***

**ERROR at line 1:**

**ORA-01821: date format not recognized**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'ss') from sales;**

**PID SID SNAME UNIT TO**

**---------- ---------- --------------- ---------- --**

**p001 s001 sanjay 15 53**

**p001 s002 kapil 54 08**

**p001 s001 sanjay 65 45**

**p003 s002 kapil 800 01**

**p002 s001 sanjay 55 15**

**p002 s002 kapil 75 32**

**6 rows selected.**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'mm') from sales;**

**PID SID SNAME UNIT TO**

**---------- ---------- --------------- ---------- --**

**p001 s001 sanjay 15 04**

**p001 s002 kapil 54 04**

**p001 s001 sanjay 65 04**

**p003 s002 kapil 800 04**

**p002 s001 sanjay 55 04**

**p002 s002 kapil 75 04**

**6 rows selected.**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'mi') from sales;**

**PID SID SNAME UNIT TO**

**---------- ---------- --------------- ---------- --**

**p001 s001 sanjay 15 13**

**p001 s002 kapil 54 14**

**p001 s001 sanjay 65 14**

**p003 s002 kapil 800 15**

**p002 s001 sanjay 55 15**

**p002 s002 kapil 75 15**

**6 rows selected.**

**SQL> select pid,sid,sname,unit,to\_char(sdate,'dd/mm/yyyy hh:mi:ss') from sales;**

**PID SID SNAME UNIT TO\_CHAR(SDATE,'DD/M**

**---------- ---------- --------------- ---------- -------------------**

**p001 s001 sanjay 15 06/04/2016 08:13:53**

**p001 s002 kapil 54 06/04/2016 08:14:08**

**p001 s001 sanjay 65 06/04/2016 08:14:45**

**p003 s002 kapil 800 06/04/2016 08:15:01**

**p002 s001 sanjay 55 06/04/2016 08:15:15**

**p002 s002 kapil 75 06/04/2016 08:15:32**

**6 rows selected.**

**SQL> select sum(unit) from sales group by pid;**

**SUM(UNIT)**

**----------**

**134**

**800**

**130**

**SQL> select sum(unit) from sales where sid='s001';**

**SUM(UNIT)**

**----------**

**135**

**SQL> select product.productname,product.profit\*sales.unit,sales.sname**

**2 from product,sales where product.productid=sales.pid;**

**PRODUCTNAME PRODUCT.PROFIT\*SALES.UNIT SNAME**

**------------------------------ ------------------------- ---------------**

**britania thin araroot 75 sanjay**

**britania thin araroot 270 kapil**

**britania thin araroot 325 sanjay**

**parle crack jack 1200 kapil**

**cream cracker 178.75 sanjay**

**cream cracker 243.75 kapil**

**6 rows selected.**

**SQL> select product.productname,product.profit\*sales.unit,sales.sname**

**2 from product,sales where product.productid=sales.pid order by sales.sname;**

**PRODUCTNAME PRODUCT.PROFIT\*SALES.UNIT SNAME**

**------------------------------ ------------------------- ---------------**

**britania thin araroot 270 kapil**

**parle crack jack 1200 kapil**

**cream cracker 243.75 kapil**

**cream cracker 178.75 sanjay**

**britania thin araroot 75 sanjay**

**britania thin araroot 325 sanjay**

**6 rows selected.**

**SQL> select product.productname,product.profit\*sales.unit,sales.sname**

**2 from product,sales where product.productid=sales.pid order by sales.sname desc;**

**PRODUCTNAME PRODUCT.PROFIT\*SALES.UNIT SNAME**

**------------------------------ ------------------------- ---------------**

**britania thin araroot 75 sanjay**

**britania thin araroot 325 sanjay**

**cream cracker 178.75 sanjay**

**parle crack jack 1200 kapil**

**cream cracker 243.75 kapil**

**britania thin araroot 270 kapil**

**6 rows selected.**

**SQL> select product.productname,product.profit\*sales.unit,sales.sname**

**2 from product,sales where product.productid=sales.pid order by product.profit\*sales.unit;**

**PRODUCTNAME PRODUCT.PROFIT\*SALES.UNIT SNAME**

**------------------------------ ------------------------- ---------------**

**britania thin araroot 75 sanjay**

**cream cracker 178.75 sanjay**

**cream cracker 243.75 kapil**

**britania thin araroot 270 kapil**

**britania thin araroot 325 sanjay**

**parle crack jack 1200 kapil**

**6 rows selected.**

**SQL> select product.productname,product.profit\*sales.unit,sales.sname**

**2 from product,sales where product.productid=sales.pid order by product.profit\*sales.unit desc;**

**PRODUCTNAME PRODUCT.PROFIT\*SALES.UNIT SNAME**

**------------------------------ ------------------------- ---------------**

**parle crack jack 1200 kapil**

**britania thin araroot 325 sanjay**

**britania thin araroot 270 kapil**

**cream cracker 243.75 kapil**

**cream cracker 178.75 sanjay**

**britania thin araroot 75 sanjay**

**6 rows selected.**

**SQL> select \* from product;**

**PRODUCTID PRODUCTNAME PPRICE SPRICE PROFIT**

**---------- ------------------------------ ---------- ---------- ----------**

**p001 britania thin araroot 22 27 5**

**p002 cream cracker 26.5 29.75 3.25**

**p003 parle crack jack 7.6 9.1 1.5**

**SQL> select \* from product order by price;**

**select \* from product order by price**

**\***

**ERROR at line 1:**

**ORA-00904: "PRICE": invalid identifier**

**SQL> select \* from product order by pprice;**

**PRODUCTID PRODUCTNAME PPRICE SPRICE PROFIT**

**---------- ------------------------------ ---------- ---------- ----------**

**p003 parle crack jack 7.6 9.1 1.5**

**p001 britania thin araroot 22 27 5**

**p002 cream cracker 26.5 29.75 3.25**

**SQL> select \* from product order by pprice desc;**

**PRODUCTID PRODUCTNAME PPRICE SPRICE PROFIT**

**---------- ------------------------------ ---------- ---------- ----------**

**p002 cream cracker 26.5 29.75 3.25**

**p001 britania thin araroot 22 27 5**

**p003 parle crack jack 7.6 9.1 1.5**

**SQL> select \* from sales;**

**PID SID SNAME UNIT SDATE**

**---------- ---------- --------------- ---------- ---------**

**p001 s001 sanjay 15 06-APR-16**

**p001 s002 kapil 54 06-APR-16**

**p001 s001 sanjay 65 06-APR-16**

**p003 s002 kapil 800 06-APR-16**

**p002 s001 sanjay 55 06-APR-16**

**p002 s002 kapil 75 06-APR-16**

**6 rows selected.**

**SQL> select sum(unit) from sales;**

**SUM(UNIT)**

**----------**

**1064**

**SQL> select max(unit) from sales;**

**MAX(UNIT)**

**----------**

**800**

**SQL> select min(unit) from sales;**

**MIN(UNIT)**

**----------**

**15**

**SQL> select avg(unit) from sales;**

**AVG(UNIT)**

**----------**

**177.333333**

**SQL> select sum(unit) from sales group by sid;**

**SUM(UNIT)**

**----------**

**929**

**135**

**SQL> select sid,sum(unit) from sales group by sid;**

**SID SUM(UNIT)**

**---------- ----------**

**s002 929**

**s001 135**

**SQL> select sname,sum(unit) from sales group by sname;**

**SNAME SUM(UNIT)**

**--------------- ----------**

**sanjay 135**

**kapil 929**

**SQL> select sname,sum(unit) from sales group by sname order by sname;**

**SNAME SUM(UNIT)**

**--------------- ----------**

**kapil 929**

**sanjay 135**

**SQL> select sname,sum(unit) from sales group by sname order by sname desc;**

**SNAME SUM(UNIT)**

**--------------- ----------**

**sanjay 135**

**kapil 929**

**SQL>**