







```
2
     -- 2) Create a new column in Customer Table and as Full Name and let it have values from
     Prefix, First Name & Last Name.
     alter table customers2 add Full name varchar2(50);
     update customers2
 5
     set Full name = PREFIX||' '||FIRSTNAME||' '||LASTNAME;
 6
 7
     -- 4) Replace the ($ , ) values from Annual Income and put the values in a new column
 8
     that is Salary as numeric field.
 9
     alter table customers2 modify salary number(10);
10
     update customers2
11
     set salary = replace(substr(annualincome, 2), ', ', '');
12
13
14
     -- 6) Give Bonus to the following customer occupation. For other O
15
     -- Professional 50000
16
    -- Clerical 10000
17
    -- Management
                     25000
18
    -- Manual 2000
19
   update customers2
20
   set salary= case when occupation ='Professional' then salary+50000
21
         when occupation ='Clerical' then salary+10000
22
         when occupation ='Management' then salary+25000
23
         when occupation ='Manual' then salary+2000;
24
25
     -- 15) Adventure works have decided to change the product colour for a few of their
    products along which with their product size. Following is the information.
26
        -- COLOR, Newcolor
         -- RED, BLACK
27
28
         -- NA, BLUE
29
         -- MULTI, YELLOW
30
             -- PRODUCT SIZE, NEW SIZE
             -- 0, LARGE
31
             -- XL, MEDIUM
32
33
             -- ALL OTHERS, SMALL
34
     alter table products2 add Newcolor varchar2(10);
35
     alter table products2 add Newsize varchar2(5);
36
    update PRODUCTS2
37
     set Newcolor= case when productcolor='Red' then 'Black'
38
                      when productcolor='NA' then 'Blue'
39
                      when productcolor like '%/%' then 'Yellow'
40
                      else productcolor end;
41
    update PRODUCTS2
42
     set Newsize= case when productsize='0' then 'L'
                      when productsize='XL' then 'M'
43
44
                      else 'S' end;
45
46
47
     -- 20) Write a query to add a new column in customers table as username and get the
     values from email field. Fetch all the values before @ symbol. Update the new field with
     the values populated your query.
48
     alter table customers2 add username varchar(20);
49
     update customers2
50
     set username= substr(EmailAddress, 1, (instr(EmailAddress, '@', 1) -1));
51
52
53
     -- 24) Write a query to replace the Gender value NA to Null.
54
     update customers2
55
     set gender= case when gender='NA' then NULL else gender end;
56
57
     -- 25) Give the following syntax(Need all the syntax we can do with Alter statement)
58
    -- • Alter
59
    -- • Delete
60 -- ● Update
61
    -- • Create
62
    -- • Insert
63
    -- 26) Full form of SQL
64
```

```
The full form of SQL is Structured Query Language
66
67
     -- 27) How to apply Primary Key & Foreign Key using Alter statement
    You can apply primary and foreign key using cmds
68
69
     1.alter table table name add primary key(col name)
70
     2.alter table table name add constraint constraint name foreign key (col name) references
     (primary key col name from parent table)
71
72
    -- 28) Share all your scripts which you used to define relationship to create the above
    mentioned database.
73
    alter table Customers2 add primary key (CUSTOMERKEY);
     alter table Products2 add primary key(PRODUCTKEY);
74
     alter table Product Subcategories2 add primary key(PRODUCTSUBCATEGORYKEY);
75
76
     alter table PRODUCT CATEGORIES2 add primary key(PRODUCTCATEGORYID );
77
     alter table Territories2 add primary key(SALESTERRITORYKEY);
78
     alter table products2 modify productkey number(5);
79
80
     alter table products2 add foreign key(productsubcategory) references
     product subcategoies2(productsubcategory);
81
     alter table returns2 add foreign key(territorykey) references territories2(
     salesterritorykey);
82
     alter table returns2 add foreign key(productkey) references products2(productkey);
    alter table sales 2017 add foreign key(productkey) references products2(productkey);
    alter table sales 2017 add foreign key(customerkey) references customers2(customerkey);
    alter table sales 2017 add foreign key(territorykey) references territories2(
     salesterritorykey);
     alter table product subcategoies2 add foreign key (product subcategorykey) references
86
     product categoies2(productsubcategoryid);
```