



```
--product table
>>> df
product_id  product_code  price
1          PH.CHAR.A     800.0
2          TK.TAB.B      600.0
3          PH.COM.C      400.0
4          TK.FAC.A      100.0
5          TK.COM.C       50.0

-- 1/ Filtering products by a list
SELECT
    *
FROM df
WHERE product_code IN ('PH.CHAR.A', 'PH.COM.C')

product_id  product_code  price
1          PH.CHAR.A     800.0
3          PH.COM.C      400.0

-- 2/ Filtering product codes that contain 'COM'
SELECT
    *
FROM df
WHERE product_code LIKE '%COM%'

product_id  product_code  price
3          PH.COM.C      400.0
5          TK.COM.C       50.0

-- 3/ Filtering product codes that start with 'PH'
SELECT
    *
FROM df
WHERE product_code LIKE 'PH%'

product_id  product_code  price
1          PH.CHAR.A     800.0
3          PH.COM.C      400.0

-- 4/ Filtering product codes that end with 'A'
SELECT
    *
FROM df
WHERE product_code LIKE '%A'

product_id  product_code  price
1          PH.CHAR.A     800.0
4          TK.FAC.A      100.0
```



```
# product table
>>> df
product_id  product_code  price
1          PH.CHAR.A     800.0
2          TK.TAB.B      600.0
3          PH.COM.C      400.0
4          TK.FAC.A      100.0
5          TK.COM.C       50.0

# 1/ Filtering products by a list

df[df["product_code"].isin(['PH.CHAR.A', 'PH.COM.C'])]

product_id  product_code  price
1          PH.CHAR.A     800.0
3          PH.COM.C      400.0

# 2/ Filtering product codes that contain 'COM'

df[df["product_code"].str.contains("COM")]

product_id  product_code  price
3          PH.COM.C      400.0
5          TK.COM.C       50.0

# 3/ Filtering product codes that start with 'PH'

df[df["product_code"].str.startswith("PH")]

product_id  product_code  price
1          PH.CHAR.A     800.0
3          PH.COM.C      400.0

# 4/ Filtering product codes that end with 'A'

df[df["product_code"].str.endswith("A")]

product_id  product_code  price
1          PH.CHAR.A     800.0
4          TK.FAC.A      100.0
```

