

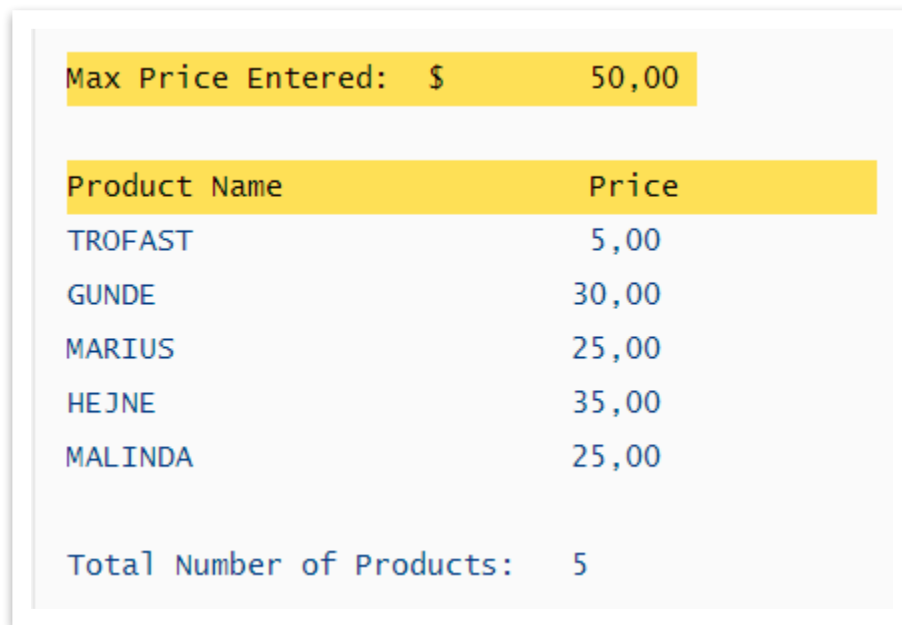
Challenge Lab 5

For this challenge lab, you will be working with data from the ZNAUS24_PRODUCTS table. You can use transaction SE16 to look at the names of the fields, as well as the data in the table. Your input screen will ask the user to enter a maximum price for a product. Your input screen should look like this:

A screenshot of a SAP input screen. It features a light blue header bar with the text "Enter Max Price:" in a dark blue font. To the right of the text is a rectangular input field with a dotted border and a small cursor icon at the end.

When a max price is entered, the output screen will provide a list of product names and corresponding prices in a nicely formatted table. In addition, your output will provide the total number of products meeting the max price parameter. Your output screen should look like this:

50 was entered for the max price on the input screen:

A screenshot of a SAP output screen. It has a yellow header bar with the text "Max Price Entered: \$ 50,00". Below this is a table with two columns: "Product Name" and "Price". The table contains five rows of data. At the bottom, there is a line of text indicating the total number of products.

Product Name	Price
TROFAST	5,00
GUNDE	30,00
MARIUS	25,00
HEJNE	35,00
MALINDA	25,00

Total Number of Products: 5

If the user does not enter a max price on the input screen before executing the program, the following error message (and only the error message) should be displayed:

A screenshot of a red error message box with white text that reads "PLEASE ENTER A MAX PRICE".

PLEASE ENTER A MAX PRICE

On the next page you will see the code for the program listed above. Your job is to reassemble the code in a new ABAP program that creates the program described above. You cannot add or alter any of the lines of code, and will need to use them all.

```
1  FORMAT COLOR 3.
2  WRITE: 'Total Number of Products:', tot.
3  CONSTANTS header(45) TYPE c VALUE 'Product Name          Price'.
4  ENDLOOP.
5  DATA: itab_products TYPE STANDARD TABLE OF product_data,
6  WRITE header.
7  SKIP.
8  ELSE.
9  FORMAT COLOR OFF.
10 FROM znaus24_products INTO TABLE itab_products
11 IF p_price IS INITIAL.
12 PARAMETERS p_price(6) TYPE p DECIMALS 2.
13     WRITE: / wa_products-c_name, wa_products-c_price.
14     END OF product_data.
15 DATA tot(2) TYPE p.
16 TYPES: BEGIN OF product_data,
17     FORMAT COLOR 6.
18     WRITE ' PLEASE ENTER A MAX PRICE '.
19     c_price LIKE znaus24_products-price,
20     c_name LIKE znaus24_products-product_name,
21 SELECT product_name price
22 LOOP AT itab_products INTO wa_products.
23     SKIP.
24     ADD 1 TO tot.
25 ENDIF.
26 WHERE price < p_price.
27     FORMAT COLOR OFF.
28     wa_products TYPE product_data.
29 WRITE: 'Max Price Entered: ', '$', p_price.
```