

SALV | Basit - Geliştirilmiş

Screen oluşturmamıza gerek yok, kendisi otomatik olarak oluşturabilmektedir.
Elimizde sadece internal table olması yeterlidir.

İki aşama;

Internal table'i SALV'e bağla,
SALV'i display et.

Internal table SALV'e nasıl bağlanır?

```
START-OF-SELECTION.  
  
cl_salv_table=>factory(  
  * IMPORTING  
  *   r_salv_table = SALV OBJESİ  
  * CHANGING  
  *   t_table      = INTERNAL TABLE  
  * ).
```

Şimdi table göz atacağız ardından internal hale getireceğiz;

Data Browser: Initial Screen



Table Name

SBOOK

Data Browser: Table SBOOK: Selection Screen

Number of Entries

CARRID	<input type="text"/>	to	<input type="text"/>	
CONNID	<input type="text"/>	to	<input type="text"/>	
FLDATE	<input type="text"/>	to	<input type="text"/>	
BOOKID	<input type="text"/>	to	<input type="text"/>	
CUSTOMID	<input type="text"/>	to	<input type="text"/>	
CUSTTYPE	<input type="text"/>	to	<input type="text"/>	
SMOKER	<input type="text"/>	to	<input type="text"/>	
LUGGWEIGHT	<input type="text"/>	to	<input type="text"/>	
WUNIT	<input type="text"/>	to	<input type="text"/>	
INVOICE	<input type="text"/>	to	<input type="text"/>	
CLASS	<input type="text"/>	to	<input type="text"/>	
FORCURAM	<input type="text"/>	to	<input type="text"/>	
FORCURKEY	<input type="text"/>	to	<input type="text"/>	
LOCCURAM	<input type="text"/>	to	<input type="text"/>	
LOCCURKEY	<input type="text"/>	to	<input type="text"/>	
ORDER_DATE	<input type="text"/>	to	<input type="text"/>	
COUNTER	<input type="text"/>	to	<input type="text"/>	
AGENCYNUM	<input type="text"/>	to	<input type="text"/>	
CANCELLED	<input type="text"/>	to	<input type="text"/>	
RESERVED	<input type="text"/>	to	<input type="text"/>	
PASSNAME	<input type="text"/>	to	<input type="text"/>	
PASSFORM	<input type="text"/>	to	<input type="text"/>	
PASSBIRTH	<input type="text"/>	to	<input type="text"/>	

Width of Output List

250

Maximum No. of Hits

200

Ve asagida görüldüğü haliyle internal table'i salv'a bağlanmış oldu.

```
REPORT Z_BK_EGT_21.

data: gt_sbook type TABLE OF sbook,
      go_salv type ref to cl_salv_table.

START-OF-SELECTION.

SELECT * UP TO 20 ROWS FROM sbook INTO TABLE gt_sbook. "İlk yirmi satırı al diyerekten verileri çekiyoruz.

cl_salv_table=>factory(

    IMPORTING
        r_salv_table = go_salv
    CHANGING
        t_table      = gt_sbook
).

```

ve go_salv->display(). ile display ediyoruz;

```
data: gt_sbook type TABLE OF sbook,
      go_salv type ref to cl_salv_table.

START-OF-SELECTION.

SELECT * UP TO 20 ROWS FROM sbook INTO TABLE gt_sbook. "İlk yirmi satırı al diyerekten verileri çekiyoruz.

cl_salv_table=>factory(

    IMPORTING
        r_salv_table = go_salv
    CHANGING
        t_table      = gt_sbook
).

go_salv->display( ).

```

Nihayetinde internal hale getirilen table'in basit bir şekilde salv kullanılarak gösterilmesi;

salv															
Client	Airline	Flight	Flight Date	Book. no.	Cust. No. B. S.	Luggage Weight Unit	I. C.	Amount (for.currency) Curren.	Amount (loc.currency) Curren.	Booking date	Sales office	Agency No. C.	R.	Passenger Name	Form of as
0	AA	17	19.12.2017	1	4321 P	19,4000 KG	X C	922,01 EUR	845,88 USD	12.11.2017		325		Adam Moyano	
001	AA	17	19.12.2017	2	4487 P	24,2000 KG	C	761,30 USD	761,30 USD	07.09.2017	28			Fabio Heller	
001	AA	17	19.12.2017	3	620 P	9,4000 KG	X C	571,97 GBP	845,88 USD	03.10.2017				Matthias Heller	
001	AA	17	19.12.2017	4	2632 P	21 KG	C	543,36 GBP	803,58 USD	02.11.2017		109	X	Andreas Domenech	
001	AA	17	19.12.2017	5	3478 P	25,2000 KG	X C	922,01 EUR	845,88 USD	27.08.2017		105		Uli Martin	
001	AA	17	19.12.2017	6	1577 P	12,7000 KG	X C	761,30 USD	761,30 USD	30.07.2017		310		Irene Hansmann	
001	AA	17	19.12.2017	7	1562 P	20,4000 KG	C	86,646 JPY	719,00 USD	18.08.2017		118		Salvador Buehler	
001	AA	17	19.12.2017	8	3882 P	24,4000 KG	X C	719,00 USD	719,00 USD	26.10.2017		229		Walter Picard	
001	AA	17	19.12.2017	9	3700 P	11,8000 KG	C	1,233,93 CHF	761,30 USD	31.08.2017		108		Hendrik Mattheus	
001	AA	17	19.12.2017	10	170 B	0 KG	X C	719,00 USD	719,00 USD	01.10.2017		310			
001	AA	17	19.12.2017	11	805 P	14 KG	C	803,58 USD	803,58 USD	24.11.2017		130	X	James Lindvurm	
001	AA	17	19.12.2017	12	1877 P	20,1000 KG	X C	875,90 EUR	803,58 USD	17.09.2017		294		Uli Hoffen	
001	AA	17	19.12.2017	13	199 B	16,8000 KG	C	761,30 USD	761,30 USD	25.08.2017	28				
001	AA	17	19.12.2017	14	3651 P	0 KG	C	875,90 EUR	803,58 USD	31.10.2017		87		Anne-Marie Schneider	
001	AA	17	19.12.2017	15	1700 P	0 KG	C	875,90 EUR	803,58 USD	05.12.2017		104		Pierre Lindvurm	
001	AA	17	19.12.2017	16	127 B	10,6000 KG	C	922,01 EUR	845,88 USD	23.11.2017		100			
001	AA	17	19.12.2017	17	2994 P	0 KG	C	761,30 USD	761,30 USD	04.10.2017		304		Holm Kreiss	
001	AA	17	19.12.2017	18	840 P	15,8000 KG	C	922,01 EUR	845,88 USD	11.10.2017		124		Astrid Domenech	
001	AA	17	19.12.2017	19	289 P	0 KG	C	457,57 GBP	676,70 USD	23.09.2017		123		Helmke	
001	AA	17	19.12.2017	20	1304 P	0 KG	C	761,30 USD	761,30 USD	26.09.2017	28			Amele Legrand	

Kodları;

data: gt_sbook type TABLE OF sbook,

go_salv type ref to cl_salv_table.

START-OF-SELECTION.

SELECT * UP TO 20 ROWS FROM sbook INTO TABLE gt_sbook. "Ilk yirmi satiri al diyer
ekten verileri cekiyoruz.

cl_salv_table=>factory(

IMPORTING

r_salv_table = go_salv

CHANGING

t_table = gt_sbook

).

go_salv->display().

SALV | PROGRAM ÇALIŞTIĞINDA YAZAN BAŞLIĞI DEĞİŞTİRME:

```
data: gt_sbook type TABLE OF sbook,
go_salv type ref to cl_salv_table.

START-OF-SELECTION.

SELECT * UP TO 20 ROWS FROM sbook INTO TABLE gt_sbook. "İlk yirmi satırı al diyerekten verileri çekiyoruz.

cl_salv_table=>factory(

IMPORTING
r_salv_table = go_salv
CHANGING
t_table = gt_sbook
).

data: lo_display type ref to cl_salv_display_settings.

lo_display = go_salv->get_display_settings( ). "display settings'e bağlamış oldum.
lo_display->set_list_header( value = 'SALV EGITIM BASLIGI' ). "IS ile başlıyorsa genellikle TRUE ya da FALSE, get çekme set ekleme.

go_salv->display( ).
```

SALV EGITIM BASLIGI

Client	Airline	Flight	Flight Date	Book. no.	Cust. No.	B	S	Luggage Weight	Unit	I	C	Amount (for.currency)	Curren
001	AA	17	19.12.2017	1	4321	P		19,4000	KG	X	C	922,01	EUR
001	AA	17	19.12.2017	2	4487	P		24,2000	KG		C	761,30	USD
001	AA	17	19.12.2017	3	620	P		9,4000	KG	X	C	571,97	GBP
001	AA	17	19.12.2017	4	2632	P		21	KG		C	543,36	GBP
001	AA	17	19.12.2017	5	3478	P		25,2000	KG	X	C	922,01	EUR
001	AA	17	19.12.2017	6	1577	P		12,7000	KG	X	C	761,30	USD
001	AA	17	19.12.2017	7	1562	P		20,4000	KG		C	86.646	JPY
001	AA	17	19.12.2017	8	3882	P		24,4000	KG	X	C	719,00	USD
001	AA	17	19.12.2017	9	3700	P		11,8000	KG		C	1.233,93	CHF
001	AA	17	19.12.2017	10	170	B		0	KG	X	C	719,00	USD
001	AA	17	19.12.2017	11	805	P		14	KG		C	803,58	USD
001	AA	17	19.12.2017	12	1877	P		20,1000	KG	X	C	875,90	EUR
001	AA	17	19.12.2017	13	199	B		16,8000	KG		C	761,30	USD
001	AA	17	19.12.2017	14	3651	P		0	KG		C	875,90	EUR
001	AA	17	19.12.2017	15	1700	P		0	KG		C	875,90	EUR
001	AA	17	19.12.2017	16	127	B		10,6000	KG		C	922,01	EUR
001	AA	17	19.12.2017	17	2994	P		0	KG		C	761,30	USD
001	AA	17	19.12.2017	18	840	P		15,8000	KG		C	922,01	EUR

SALV | Bir satır açık bir satır koyu renkli gözükme (zebra) mantığı yapmak için gerekli olan kodlar ve görünüşü;

```
lo_display->set_striped_pattern( value = 'X' ).
```

lo_display->set_striped_pattern(value = 'X').

Client	Airline	Flight	Flight Date	Book. no.	Cust. No.	B	S	Luggage Weight	Unit	I	C	Amount (for.currency)	Curren	Amount (loc.curren)	Curren	Booking date	Sales office	Agency No.	C	R	Passenger Name	Form of
001	AA	17	19.12.2017	1	4321	P		19,4000	KG	X	C	922,01	EUR	845,88	USD	12.11.2017		28	325		Adam Moyano	
001	AA	17	19.12.2017	2	4487	P		24,2000	KG		C	761,30	USD	761,30	USD	07.09.2017					Fabio Heller	
001	AA	17	19.12.2017	3	620	P		9,4000	KG	X	C	571,97	GBP	845,88	USD	03.10.2017			109		Matthias Heller	
001	AA	17	19.12.2017	4	2632	P		21	KG		C	543,36	GBP	803,58	USD	02.11.2017			109	X	Andreas Domenech	
001	AA	17	19.12.2017	5	3478	P		25,2000	KG	X	C	922,01	EUR	845,88	USD	27.08.2017			105		Uli Martin	
001	AA	17	19.12.2017	6	1577	P		12,7000	KG	X	C	761,30	USD	761,30	USD	30.07.2017			310		Irene Hansmann	
001	AA	17	19.12.2017	7	1562	P		20,4000	KG		C	86.646	JPY	719,00	USD	18.08.2017			118		Salvador Buehler	
001	AA	17	19.12.2017	8	3882	P		24,4000	KG	X	C	719,00	USD	719,00	USD	26.10.2017			229		Walker Picard	
001	AA	17	19.12.2017	9	3700	P		11,8000	KG		C	1.233,93	CHF	761,30	USD	31.08.2017			108		Hendrik Matthaeus	
001	AA	17	19.12.2017	10	170	B		0	KG	X	C	719,00	USD	719,00	USD	01.10.2017			310			
001	AA	17	19.12.2017	11	805	P		14	KG		C	803,58	USD	803,58	USD	24.11.2017			130	X	James Lindwurm	
001	AA	17	19.12.2017	12	1877	P		20,1000	KG	X	C	875,90	EUR	803,58	USD	17.09.2017			294		Uli Hoffen	
001	AA	17	19.12.2017	13	199	B		16,8000	KG		C	761,30	USD	761,30	USD	25.08.2017		28				
001	AA	17	19.12.2017	14	3651	P		0	KG		C	875,90	EUR	803,58	USD	31.10.2017			87		Anne-Marie Schneider	
001	AA	17	19.12.2017	15	1700	P		0	KG		C	875,90	EUR	803,58	USD	05.12.2017			104		Pierre Lindwurm	
001	AA	17	19.12.2017	16	127	B		10,6000	KG		C	922,01	EUR	845,88	USD	23.11.2017			100			
001	AA	17	19.12.2017	17	2994	P		0	KG		C	761,30	USD	761,30	USD	04.10.2017			304		Holm Kreiss	
001	AA	17	19.12.2017	18	840	P		15,8000	KG		C	922,01	EUR	845,88	USD	11.10.2017			124		Astrid Domenech	
001	AA	17	19.12.2017	19	289	P		0	KG		C	457,57	GBP	676,70	USD	23.09.2017			123		Helmle	
001	AA	17	19.12.2017	20	1304	P		0	KG		C	761,30	USD	761,30	USD	26.09.2017		28			Amele Legrand	

Ve görüldüğü üzere tek satır kod ile zebra pattern'i uygulanmış oldu.

BİR KOLONUN GENİŞLİĞİNİ OTOMATİK AYARLAMA:

data: lo_columns type REF TO cl_salv_columns.

lo_columns = go_salv->get_columns().

lo_columns->set_optimize(value = 'X').

```
"BİR KOLONUN GENİSLİĞİNİ OTOMATİK AYARLAMA:  
data: lo_columns type REF TO cl_salv_columns.  
lo_columns = go_salv->get_columns( ).  
lo_columns->set_optimize( value = 'X' ).  
  
go_salv->display( ).
```

SALV EGİTİM BAŞLIĞI																					
Client	Airline	Flight No.	Flight Date	Book. no.	Cust. No.	B/P cust.	Smoker	Lug.weight	Unit	Invoice Class	Amount	Currency	Amount	Currency	Booking date	Sales Off.	Agency No.	Cancel Reserved	Passenger Name	Title Pass.	DOB
001	AA	17	19.12.2017	1	4321	P		19,400	KG	X C	922,01	EUR	845,88	USD	12.11.2017		325		Adam Moyano		
001	AA	17	19.12.2017	2	4487	P		24,200	KG	X C	761,30	USD	761,30	USD	07.09.2017	28			Fabio Heller		
001	AA	17	19.12.2017	2	4321	P		19,400	KG	X C	922,01	EUR	845,88	USD	12.11.2017		325		Adam Moyano		

Ve görüldüğü gibi uzunluklara göre otomatik sütun genişliğini ayarlamış oldu.

KOLON ADINI DEĞİSTİRME:

data: lo_col TYPE REF TO cl_salv_column.

lo_col = lo_columns->get_column(columnname = 'INVOICE').

lo_col->set_long_text(value = 'Yeni Fatura Düzenleyici').

lo_col->set_medium_text(value = 'Yeni Fatura D').

lo_col->set_short_text(value = 'Yeni Fat').

Burada long, medium ve short'un olayı şudur;

Tablo ekrana geldiği zaman genişliğini daraltıp arttırdığımızda bu verdiğimiz değerler ekranda gözükür. Örneğin genişliği elimizle daralttık ve en dar alanlara doğru getirdikçe o satırda Yeni Fat yazar, olabildiğince geniş tutarsak ve genişlik yeterli olursa bu seferde "Yeni Fatura Düzenleyici" yazacaktır.

it	Yeni Fatura D	Class	Ar
i	X	C	9
i		C	7
i	X	C	5

it	Yeni Fatura Düzenleyici	Class
i	X	C

it	Yeni Fat	Class
i	X	C

Bir kolon görünürlüğüne kapatma, örnek olarak "üst birim" (Client yazan) görünürlüğüne kapatma.

```
"KOLON GÖRÜNÜRLÜĞÜNÜ KAPATMA  
lo_col = lo_columns->get_column( columnname = 'MANDT' ).  
lo_col->set_visible(  
    value = if_salv_c_bool_sap=>false  
).  
  
go_salv->display( ).
```

```
data: lo_col TYPE REF TO cl_salv_column.  
lo_col = lo_columns->get_column( columnname = 'MANDT' ).  
lo_col->set_visible( value = if_salv_c_bool_sap=>false ).  
go_salv->display( ).
```

Client	Airline	Flight No.	Flight Date	Book. no
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	
001	AA	17	19.12.2017	1
001	AA	17	19.12.2017	1
001	AA	17	19.12.2017	1
001	AA	17	19.12.2017	1

Airline	Flight No.	Flight Date	Book. no.	Cust. No.	B/P cust.	Smoker	Lug.weight	U
AA	17	19.12.2017	1	4321	P		19,4000	K
AA	17	19.12.2017	2	4487	P		24,2000	K
AA	17	19.12.2017	3	620	P		9,4000	K
AA	17	19.12.2017	4	2632	P		21	K
AA	17	19.12.2017	5	3478	P		25,2000	K
AA	17	19.12.2017	6	1577	P		12,7000	K
AA	17	19.12.2017	7	1562	P		20,4000	K
AA	17	19.12.2017	8	3882	P		24,4000	K
AA	17	19.12.2017	9	3700	P		11,8000	K
AA	17	19.12.2017	10	170	B		0	K
AA	17	19.12.2017	11	805	P		14	K
AA	17	19.12.2017	12	1877	P		20,1000	K
AA	17	19.12.2017	13	199	B		16,8000	K
AA	17	19.12.2017	14	3651	P		0	K
AA	17	19.12.2017	15	1700	P		0	K
AA	17	19.12.2017	16	127	B		10,6000	K
AA	17	19.12.2017	17	2994	P		0	K
AA	17	19.12.2017	18	840	P		15,8000	K
AA	17	19.12.2017	19	289	P		0	K
AA	17	19.12.2017	20	1304	P		0	K

TRY - CATCH MANTIGI:

Bu tarz column düzenlemelerinde genellikle try-catch kullanımı yapılır. Bunun nedeni ise yazım hatalarına karşılık hata almamaktır. Örneğin;

lo_col = lo_columns->get_column(columnname = 'INVOICE'). bu kısımda INVOICE kısmını INVOICEsadasd yaparsak active edildiğinde bu yakalanamaz fakat try catch olmazsa execute ettiğimizde kod patlar. Bunu engellemek içinde try-catch mantığına uyulur;

```
"KOLON ADI DEĞİŞTİRME
DATA: lo_col TYPE REF TO cl_salv_column.
"Hata mesajlarına karşın genellikle bu column konuları try-catch içerisinde yazılır.
TRY .
    lo_col = lo_columns->get_column( columnname = 'INVOICE' ).
    lo_col->set_long_text( value = 'Yeni Fatura Düzenleyici' ).
    lo_col->set_medium_text( value = 'Yeni Fatura D' ).
    lo_col->set_short_text( value = 'Yeni Fat' ).
    CATCH cx_salv_not_found.
ENDTRY.

*KOLON GÖRÜNÜRLÜĞÜNÜ KAPATMA
TRY .
    lo_col = lo_columns->get_column( columnname = 'MANDT' ).
    lo_col->set_visible(
        value = if_salv_c_bool_sap=>false
    ).
    CATCH cx_salv_not_found.
ENDTRY.

go_salv->display( ).
```

Böylece tüm kodu patlatan hatalardan uzaklaşmış oluruz ve sadece yapmış olduğumuzu düşündüğümüz yer yapılmamış olarak belirir ve program yürütülmeye devam eder.

TOOLBAR EKLEYİP ÜZERİNDE OYNAMA YAPMA (ALV İÇİN CAN ALICI BÖLÜM)

```
"TOOLBAR EKLEYİP ÜZERİNDE OYNAMA YAPMA (CAN ALICI BÖLÜM)
DATA: lo_func TYPE REF TO cl_salv_functions.
lo_func = go_salv->get_functions( ).
lo_func->set_all( abap_true
*   value = if_salv_c_bool_sap=>true
).

go_salv->display( ).
```


DATA: lo_func TYPE REF TO cl_salv_functions.

lo_func = go_salv->get_functions().

lo_func->set_all(abap_true

* value = if_salv_c_bool_sap=>true

).

SALV EGITIM BASLIGI						
						
Airline	Flight No.	Flight Date	Book. no.	Cust. No.	B/P cust.	Sm
AA	17	19.12.2017	1	4321	P	
AA	17	19.12.2017	2	4487	P	

ALV UST KISMINA HEADER EKLEMEK

```
"ALV UST KISMINA HEADER EKLEMEK
DATA: lo_header TYPE REF TO cl_salv_form_layout_grid,
      lo_h_label TYPE REF TO cl_salv_form_label,
      lo_h_flow TYPE REF TO cl_salv_form_layout_flow.

CREATE OBJECT lo_header.
lo_h_label = lo_header->create_label(
    row      = 1
    column   = 1
).
lo_h_label->set_text( value = 'BASLIGIN ILK SATIRI' ).
lo_h_flow = lo_header->create_flow(
    row      = 2
    column   = 1
).
lo_h_flow->create_text(
    EXPORTING
        text      = 'Baslik ikinci satir'
).
go_salv->set_top_of_list( value = lo_header ).
go_salv->display( ).
```

```
DATA: lo_header TYPE REF TO cl_salv_form_layout_grid,
      lo_h_label TYPE REF TO cl_salv_form_label,
      lo_h_flow TYPE REF TO cl_salv_form_layout_flow.
```

```
CREATE OBJECT lo_header.
```

```
lo_h_label = lo_header->create_label(
    row      = 1
    column   = 1
).
```

```
lo_h_label->set_text( value = 'BASLIGIN ILK SATIRI' ).
```


```
lo_h_flow = lo_header->create_flow(
    row      = 2
    column   = 1
).
```

```
lo_h_flow->create_text(
    EXPORTING
```

```

text    = 'Baslik ikinci satir'
).
go_salv->set_top_of_list( value = lo_header ).
go_salv->display( ).

```

SALV EGITIM BASLIGI															
															
BASLIGIN ILK SATIRI Baslik ikinci satir															
Airline	Flight No.	Flight Date	Book. no.	Cust. No.	B/P cust.	Smoker	Lug.weight	Unit	Yeni Fat	Class	Amount	Currency	Amount	Currency	Booking date
AA	17	19.12.2017	1	4321	P		19,4000	KG	X	C	922,01	EUR	845,88	USD	12.11.2017
AA	17	19.12.2017	2	4487	P		24,2000	KG		C	761,30	USD	761,30	USD	07.09.2017
AA	17	19.12.2017	3	620	P		9,4000	KG	X	C	571,97	GBP	845,88	USD	03.10.2017
AA	17	19.12.2017	4	2632	P		21	KG		C	543,36	GBP	803,58	USD	02.11.2017
AA	17	19.12.2017	5	3478	P		25,2000	KG	X	C	922,01	EUR	845,88	USD	27.08.2017
AA	17	19.12.2017	6	1577	P		12,7000	KG	X	C	761,30	USD	761,30	USD	30.07.2017
AA	17	19.12.2017	7	1562	P		20,4000	KG		C	86.646	JPY	719,00	USD	18.08.2017
AA	17	19.12.2017	8	3882	P		24,4000	KG	X	C	719,00	USD	719,00	USD	26.10.2017
AA	17	19.12.2017	9	3700	P		11,8000	KG		C	1.233,93	CHF	761,30	USD	31.08.2017

POP-UP SEKLINDE GOSTERME

```

go_salv->set_screen_popup(
  EXPORTING
    start_column = 10
    end_column   = 75
    start_line   = 5
    end_line     = 25

```

```
"POP-UP SEKILINDE GOSTERME
go_salv->set_screen_popup(
  EXPORTING
    start_column = 10
    end_column   = 75
    start_line   = 5
    end_line     = 25
).

go_salv->display( ).
```

SAP

SALV EGITIM BASLIGI

BASLIGIN ILK SATIRI
Baslik ikinci satir

Airline	Flight No.	Flight Date	Book. no.	Cust. No.	B/P cust.	Smoker	Lug.weight	Unit	Yeni Fat	Class
AA	17	19.12.2017	1	4321	P		19,4000	KG	X	C
AA	17	19.12.2017	2	4487	P		24,2000	KG		C
AA	17	19.12.2017	3	620	P		9,4000	KG	X	C
AA	17	19.12.2017	4	2632	P		21	KG		C
AA	17	19.12.2017	5	3478	P		25,2000	KG	X	C
AA	17	19.12.2017	6	1577	P		12,7000	KG	X	C
AA	17	19.12.2017	7	1562	P		20,4000	KG		C
AA	17	19.12.2017	8	3882	P		24,4000	KG	X	C
AA	17	19.12.2017	9	3700	P		11,8000	KG		C
AA	17	19.12.2017	10	170	B		0	KG	X	C
AA	17	19.12.2017	11	805	P		14	KG		C
AA	17	19.12.2017	12	1877	P		20,1000	KG	X	C
AA	17	19.12.2017	13	199	B		16,8000	KG		C
AA	17	19.12.2017	14	3651	P		0	KG		C
AA	17	19.12.2017	15	1700	P		0	KG		C
AA	17	19.12.2017	16	127	B		10,6000	KG		C
AA	17	19.12.2017	17	2994	P		0	KG		C
AA	17	19.12.2017	18	840	P		15,8000	KG		C
AA	17	19.12.2017	19	289	P		0	KG		C
AA	17	19.12.2017	20	1304	P		0	KG		C

).

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