**data** a;

x1=**13**; x2=**2**; x3=**3**; y7=**70**; y8=**9**; y9=**10**;

format x1-x3 words.;

format y7-y8 roman.;

format y9 **2.**;

**run**;



**data** a;

input id name $ x y z;

cards;

1 Zosia 2 3 4

2 Kasia 3 4 4

;

**run**;



**data** b;

set a (keep=x y z);

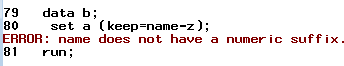
**run**;



**data** b;

set a (keep=name-z);

**run**;



**data** b;

set a (keep=name--z);

**run**;



**data** b;

set a (keep=name-numeric-z);

**run**;



**data** b;

set a (keep=name-char-z);

**run**;



**data** a;

x\_a=**1**; x\_b=**2**; xc=**3**; y=**8**;

**run**;



**data** b;

set a (keep=x:);

**run**;



**data** b;

set a (keep=x:);

z=sum(of x:);

**run**;



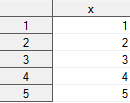
**data** a;

do x=**1** to **5**;

output;

end;

**run**;



**data** b;

do ktory=ile to **1** by (-**1**);

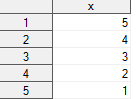
set a nobs=ile point=ktory;

output;

end;

stop;

**run**;



**data** b;

put \_all\_;

do ktory=ile to **1** by (-**1**);

set a nobs=ile point=ktory;

output;

end;

put \_all\_;

stop;

**run**;



**data** b;

ktory=**7**;

set a point=ktory;

output;

stop;

**run**;





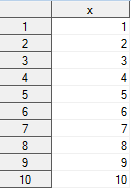
**data** a;

do x=**1** to **10**;

output;

end;

**run**;



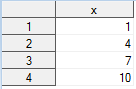
**data** b;

ktory=**3**\*(\_n\_-**1**)+**1**;

set a point=ktory nobs=ile;

if ktory>ile then stop;

**run**;



**data** b;

put \_all\_;

do ktory=ile to **1** by (-**1**);

set a nobs=ile point=ktory;

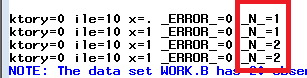
output;

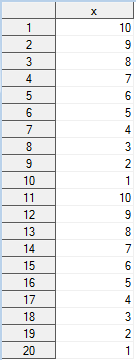
end;

put \_all\_;

if \_n\_>**1** then stop;

**run**;





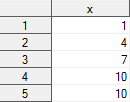
**data** b;

ktory=**3**\*(\_n\_-**1**)+**1**;

if ktory<=ile then set a point=ktory nobs=ile;

**run**;





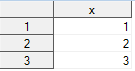
**data** a;

do x=**1** to **3**;

output;

end;

**run**;

****

**data** b;

if x=**1** then set a;

**run**;





/\* SQL \*/

/\* Structured Query Language \*/

**data** a;

do id='A','B','C';

do x=**1** to **4**;

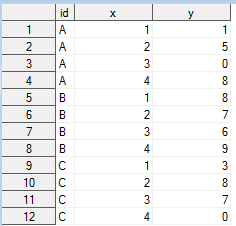
y=floor(**10**\*ranuni(**0**));

output;

end;

end;

**run**;



**proc** **sql**;

select x

from a

;

**quit**;



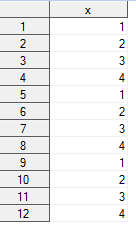
**proc** **sql**; \* mozna na stale to ustalic;

create table b as

select x

from a

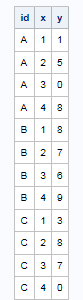
;



select \*

from a

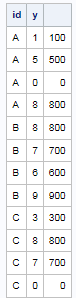
;



select id, y, y\***100**

from a

;

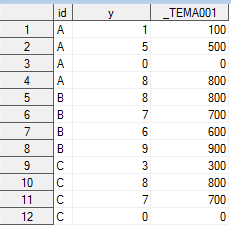


create table b as

select id, y, y\***100**

from a

;

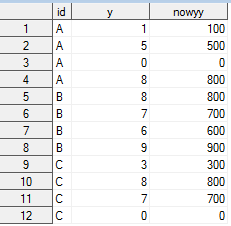


create table b as

select id, y, y\***100** as nowyy

from a

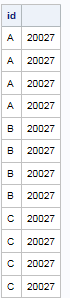
;



select id, today()

from a

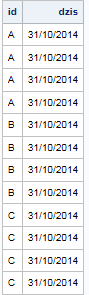
;



select id, today() as dzis format=ddmmyy10.

from a

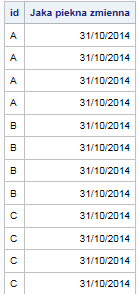
;



select id, today() as dzis format=ddmmyy10. label='Jaka piekna zmienna'

from a

;

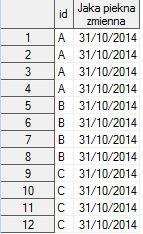


create table b as

select id, today() as dzis format=ddmmyy10. label='Jaka piekna zmienna'

from a

;



select distinct x

from a

;



select distinct id,x

from a

;



select \*

from a

where x=**1**

;



select \*

from a

where id in ('A','B')

;



select \*

from a

where y between **1** and **2**

;



select \*

from a

where y is missing

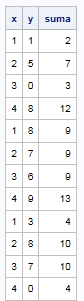
;



select x,y,x+y as suma

from a

;



select x,y,x+y as suma

from a

where suma>**1**

;

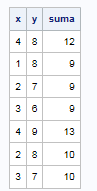
****

select x,y,x+y as suma

from a

where x+y>**7**

;

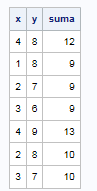
****

select x,y,x+y as suma

from a

where calculated suma>**7**

;

****

select x,y,x+y as suma, suma/**2** as polsumy

from a

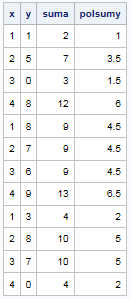
;

****

select x,y,x+y as suma, calculated suma/**2** as polsumy

from a

;

****

select \*

from a

order by x

;

****

select id, sum(x,y)

from a

;

****

select id, sum(x)

from a

;

****