

DATALINES / CARDS STATEMENT

Indicates that **data lines (raw data)** follow

Syntax: - DATALINES/CARDS;

Use the DATALINES statement with an INPUT statement to read data that you enter directly in the program.

The **DATALINES** statement is the last statement in the DATA step and immediately precedes the first data line

Use the **DATALINES** statement whenever data does not contain semicolons
If data contains semicolons use **DATALINES4** statement.

When we use **DATALINES4** it should end with 4 (**;;;;**) semicolons.

Example: - (datalines/cards)

Data health;

Infile datalines;

Input id name & \$18. Sex\$ RBC WBC;

Datalines;

1023	David Shaw	f	1900	120
1049	Amelia Serrano	m	2000	125
1219	Alan Nance	m	2100	130
1246	Ravi Sinha	f	2050	122
1078	Ashley McKnight	f	2200	150

;

Run;

Example: - (datalines4/cards4)

Data health;

Infile datalines;

Input id name & \$18. Sex\$ RBC WBC;

Datalines4;

1023	David Shaw	f	1900	120 ;
1049	Amelia Serrano	m	2000	125 ;
1219	Alan Nance	m	2100	130 ;
1246	Ravi Sinha	f	2050	122 ;
1078	Ashley McKnight	f	2200	150 ;

;;;;

Run;

Data health;

Infile datalines;

Input id name & \$18. Sex\$ RBC WBC 30-32;

Input id name & \$18. Sex\$ RBC WBC 3.;

Datalines4;

1023	David Shaw	f	1900	120;
1049	Amelia Serrano	m	2000	125;

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1219 Alan Nance      m 2100 130;
1246 Ravi Sinha      f 2050 122;
1078 Ashley McKnight f 2200 150;
;;;
Run;
```

Interview Questions

- Q1) What is Datalines/Cards?
- Q2) Syntax of Datalines/Cards?
- Q3) What is Datalines4/Cards4?
- Q4) When you are reading raw data from Datalines/Cards RUN is not required why?
- Q5) If I won't use Datalines/Cards, when I am reading data from program followed by datalines. What will happen? What error message you can see in log?
- Q6) When u can use datalines?
- Q7) Data is available in the location of "E:\SAS\RAW_DATA\IQ\CARDSSTATEMENT" tasks are available at TASK notepad in above same location? read that data into SAS and write the program for each task?
- Q8) What is RUN Statement? Is it mandatory?



Just observe below table to understand which statement is useful on which situation.

	WAYS TO READ DATA FROM DIFFERENT SOURCES	DATA	INFILE	INPUT	DATALINES	RUN
1)	From Datalines (Program itself)	YES	YES	YES	YES	YES/NO
2)	From External files (Notepads)	YES	YES	YES	NO	YES
3)	From existing datasets (SAS Library)	YES	NO	NO	NO	YES
4)	From Databases (Oracle, Teradata, DB2 etc...)	NO	NO	NO	NO	NO
5)	From SAS Datasets (out of SAS in external folder)	NO	NO	NO	NO	NO