	Forward Reference! -
$\bigcirc$	- A Forward reference of a program entity is a reference to the entity in some Statement of the program. That ocsurs before the Statement Containing the defination or declaration of the
	reference to the entity in some Statement of
	the program. that ocsure before the Glatemen
	containing the defination or declaration of the
	entity-
@	- A forward reference causes problem in Statemen
	by- statement processing of a program because
	the language processor would not know the
	attributes of the entity. When it encounters
	- A forward reference causes problem in statement by- statement processing of a program because the language processor would not know the attributes of the entity. When it encounters the forward reference.
	example forward reference in a source program.
	consider the following program:
	Perient_Profit! = (Profit * 106) / cost_price;
	·
	long Profit.
	The reference to profit in the assignment Statement constitutes a forward reference because the statement occurs before the statement long profit;
	constitutes a forward reference because the statement
	occurs before the (statement long profit;
	Il a Discourant is Discoursed and
	- in the program, if the program is processed or
	Statement - by- Statement basis, the 14019dage procession
	would not know the type of vanable protest while
	- in the program if the program is processed on a  Statement-by-Statement basis, the language processor  would not know the type of variable profit while  processing the assignment statement.
	and I all a to donorate the correct
	- hence it would not be able to generalethe cornect

- The problem concerning statement - by - statement

processing of a source program at addressed

by using a multi-pass organization of lanquage processors. In this organization, the language Processor spuits the task of language processing into a sequence of Stage. - the problem caused by forco and references is Solved by analysing the program in one Stage of the language processor & generating the target program in a later stage - The second problem onises because. statement -by - statement analysis requires code for both the analysis & synthesis phases of a language processor to exist in memory at the Same time - It is diminated in the multi-pass organization because only the code of program required in one stage of translation would need to exist in memory at any time.