



Devidening Smaller date to a larger date

Devidening smaller date to a larger date type automatically is called widening.

— int to every

- int to long float to double

- The widehing their is no derta loss

2 permowing
Correring learner dutertype into smaller

- double to floor

Long to int

Q.5. provide the examples of harrowing and widehing conversions between primitive detail

· Data loss can be possible.

- lypes?

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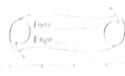
O double $d! = 123 \cdot 25$;

float $f! = \frac{\text{double}}{\text{float}} (float) d!$;

D long $l_1 = 123 \cdot 456$;

int $J_1 = (j_1 + j_2) \cdot l_1$;

	Page C)
	O float {1= 23.45;
	double di= 41; D torint I,= 234; long Li= Zi;
Q·6	How does Java handle potential tous Of of poleision during hamowing
	The Java In namowing handle data loss (D) Compile- Hime- error
	-gives the compile-time error to prevent Leuter loss
	- Its mandarry in namowing to Explicit type curring for date loss long fi= 234.5; The II = (Int) fi;
	B) Loss of precision - when we consent from floor to int the date loss is occurred at decimed points
	B Rounding issue:- - less praision in decimal point



Q7- Explain the concept of automotic widening conversion in Jana. -> widening conversion occurs when smaller data type is converted into lunger data types. - not resuting as data less - Implicit conversion occur - follow Heirarchical order - byte->short -> int -> long -> flout-double - char-int -long-float - double. D8 what are the implications of hamowing be widewing conversions on type compatability bara loss? - 1 widening Conversion is done by Auroman? - It an Implicit type couring no desterlus in wideling. 2 hamwing It is lone by Explicit type caning - It hot penomic type comsion - Luter loss may be occurre.