

A - NOTES

INTEGER CASES BOX RULE

CASE ① - $\boxed{1}$ \rightarrow $\boxed{2}$ \rightarrow $\boxed{\frac{1}{2}}$

④ BYTE \rightarrow INT
 \downarrow \downarrow
1BYTE \rightarrow 4BYTE

⑤ BYTE \rightarrow LONG
 \downarrow \downarrow
1BYTE \rightarrow 8BYTE

⑥ BYTE \rightarrow SHORT
 \downarrow \downarrow
1BYTE \rightarrow 2BYTE

CASE ② - $\boxed{1}$ \rightarrow $\boxed{2}$ \rightarrow small Box
can not contain big Box

⑦ INT \rightarrow BYTE
 \downarrow \downarrow
4BYTE \rightarrow 1BYTE

⑧ LONG \rightarrow BYTE
 \downarrow \downarrow
8BYTE \rightarrow 1BYTE

⑨ SHORT \rightarrow BYTE
 \downarrow \downarrow
2BYTE \rightarrow 1BYTE

⑩ CHAR \rightarrow BYTE
 \downarrow \downarrow
2BYTE \rightarrow 1BYTE

A-NOTES

CASE ③ → $\boxed{1}$ → $\boxed{2}$ → $\boxed{\boxed{1}}$

* CHAR → INT ↑ LONG
↓ ↓
2BYTE 4BYTE & 8BYTE

CASE ④ → $\boxed{1}$ → $\boxed{2}$ → Both Boxes made
with same ratio

* CHAR → SHORT
↓ ↓
2BYTE 2BYTE ↓
no can not hold
inside one
another

* SHORT → CHAR
↓ ↓
2BYTE 2BYTE

CASE ⑤ → $\boxed{1}$ → $\boxed{2}$ → not possible

* BYTE → CHAR
↓ ↓
1BYTE 2BYTE

Reason :- BYTE contain One value
But char can not hold it's
One value

Ex:-

byte a = 23; → -128 to 127
char b = a; → 0 to n

O/p:-
ERROR

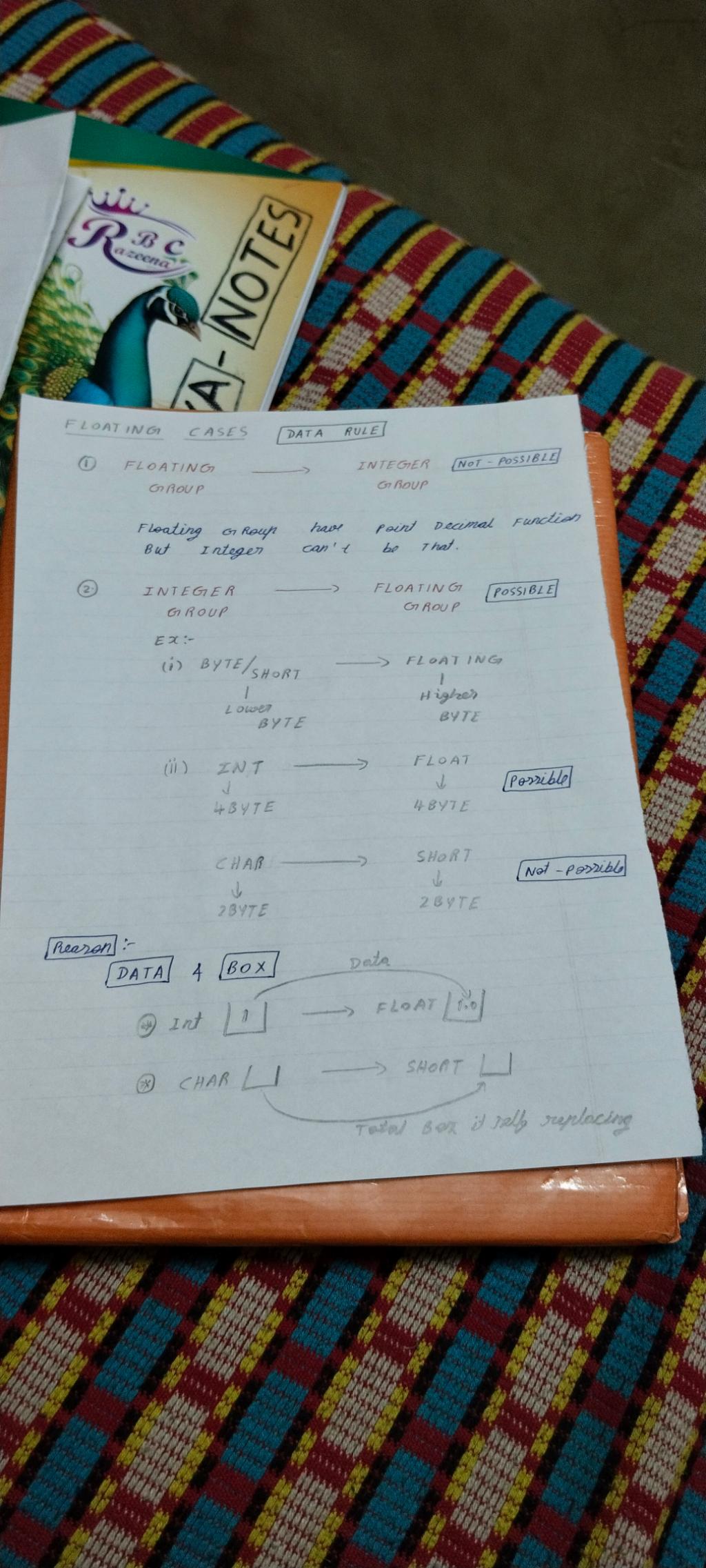
NOTES

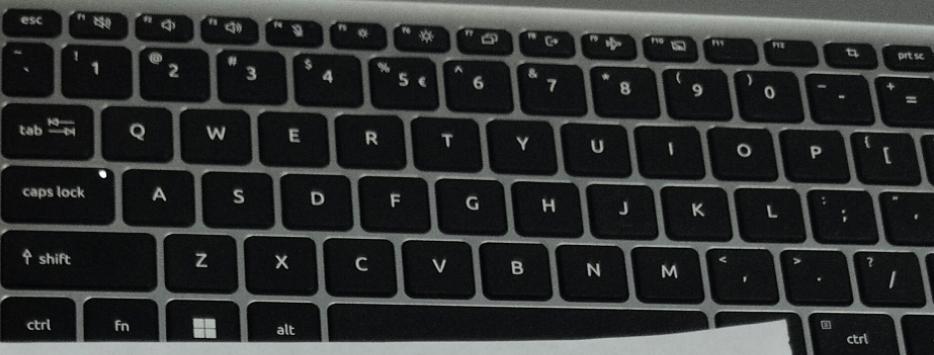
CONCLUSION :-

④ CHAR → INT / LONG [POSSIBLE]

④ CHAR → BYTE / SHORT [NOT-POSSIBLE]

④ INTEGER → CHAR [NOT-POSSIBLE]
GROUP
One to One One to Many





FINAL CONCLUSION :-

① FLOATING GROUP → INTEGER GROUP NOT - POSSIBLE

② INTEGER GROUP → FLOATING GROUP POSSIBLE

③ CHAR → INTEGER GROUP POSSIBLE
(INT / LONG)

④ CHAR → INTEGER GROUP NOT - POSSIBLE
(BYTE / SHORT)

⑤ CHAR → FLOATING GROUP POSSIBLE

⑥ FLOATING GROUP / INTEGER GROUP → CHAR NOT - POSSIBLE

⑦ THERE IS NO IMPLICIT 4 EXPLICIT
CONVERSION FOR BOOLEAN

⑧ TYPE CASTING CAN CONVERT ANY
THING EXCEPT BOOLEAN