0	Pre-Increment (++a)	a. Penle		Increment Kaec	
		6.	FR	Ose	Kaeo

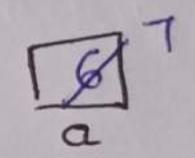
Ex int a=5j

@ Post-Increment a Petile Ose Kalo b. Fir Increment Kalo Catt)

Ex: int a= 6;

Coult LL att;

2 a= \$7



-> Decrement Operator (--)

(2) post-Decrement.

O Pre-Decrement a. Petre Detrement Kaco (--a) b. Fir Use Kaco

「SHAIK ASIF NIHAL @April 8, 2025 at 04:18

@ Post-Pecrement a. Petre print Kaco b. Fix De Kaco.

Ex: int a=8; Cout xxa--; -> 1 point 8 2 a=80

-> Homework: 20 austions on Onary operator solve (Using ai generate questions)

inta=5; $\Rightarrow \alpha = 15$]

cout << (++a); $\Rightarrow \alpha = 15$ 6 \Rightarrow print6

cout << a; $\Rightarrow 3$ 6

cout << (a++); $\Rightarrow 9$ print6, $\alpha = 15$ 7

cout << (a; $\Rightarrow 6$) print7

cout << (--a); -> 6) a= 116 print 6

out << a) -> 0 6

cout 22 ca--); -> 8 print 6, a= 18 5

Cout 11 aj 49 5

autout: 66655

Coat LL val;

- Q) is there any operator like +++ a+++b
- Ans O Not poss
 - O counta Case

It runs on compilee like

(a) why we are using brackets for Increment operator in

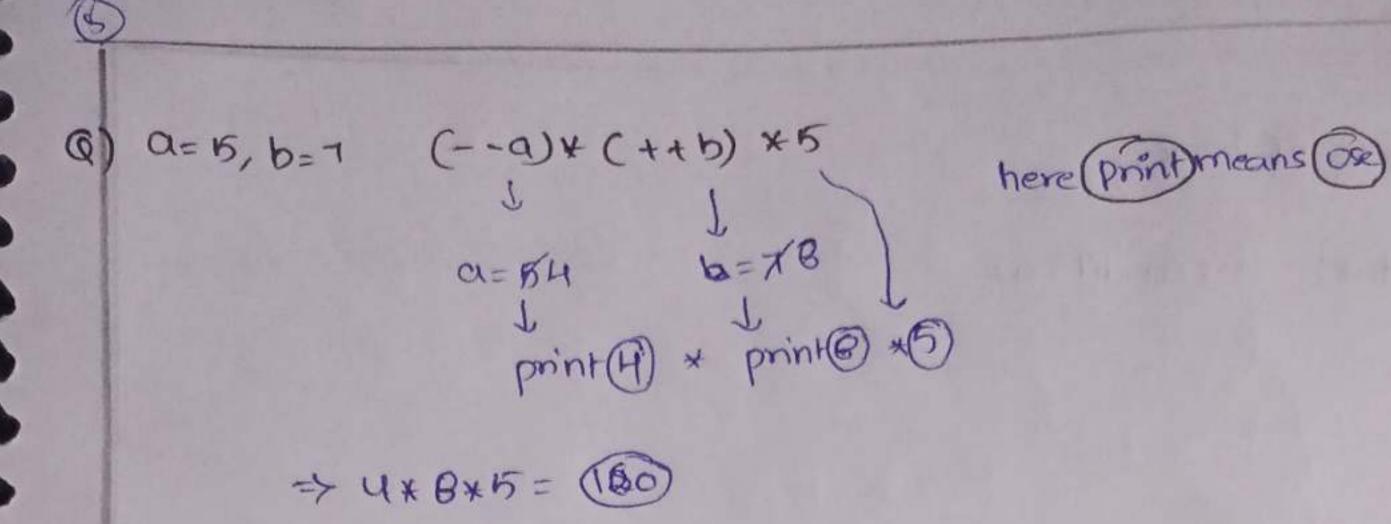
Opecation

Val= Ca++) * C++a)

why cant att * otta?

- Ans: operator precedence of Associativety makes operation Easily
 - · Ace to Boomas rule the operation makes Easily

ace to rules.



a)
$$a = 15$$
, $b = 6$
 $c = -a) * Cb + t$
 $a = 15$
 a

- a) a=5 (--a) * Ca--)
 Ambiguous behavious.
- -> Conditionals
 - · Basic if block
 - · if else block
 - · if -else if else block
 - · Norted if else
 - e switch case
 - · Ternary operator

Basic if block

3

E cout 12 " Yelo Macbook";

3

٦

Coul IC " Yelo licerse";

3

cout KC "Bike";

3

Q) Difference blue aft b

afb affb Bêtwise Logeral AND

operates

$$0243$$
 $2-0--010$
 $3-6--011$
 $3-6--010=2$

If-else block Syntax: "fccondition) else EXO if (score > 1000) Coute "Yelo Macbook"; 618 Cout KX 4 No macbook 4. 3) if-else if . badder. Syntax: if (cond 1)

of Coords) True | False else if (cords), True fais else of (cond3) + True | False if (peccentage 790) could "A"; eise et cpercentage 780 8t percentage 490) cout << "B";

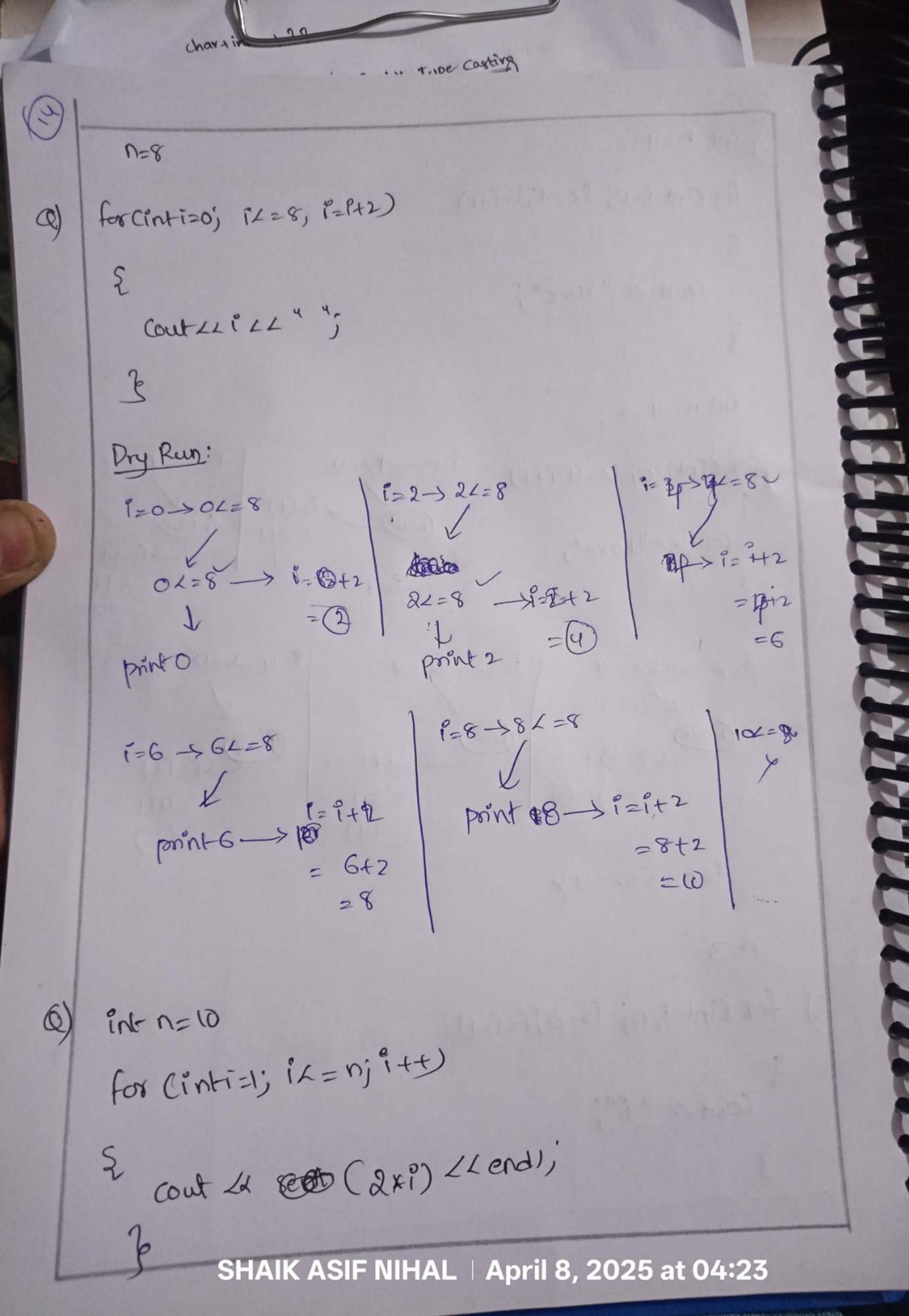
Expibit Type Costing else if (peccentage > 70 ff peccentage 180) cout << " c"; Coat 22 "fail 4; True True If false go out of loop -> Short Circuit: Ex: Rest-Ichet if ((1) 44 (3) 44 (3) 44 (4) Vacarry Chefi-4 cout XX 41000e4; Chef2-16 chef3 tu Chefy Inoneed chet 5 J tocheck, Nested if -else. Syntax: if c) SHAIK ASIF NIHAL | April 8, 2025 at 04:21

-> Terrany Operator: - Easy orderchartable of use have conditionale Cif. -) Knowledge - It works like if else conditions Syntax: conditions? logic : logic true Exo intage = 15; int value = ager8)? 50:100 15718 4 retuen 100 for value. Ev@ int age = 21; (age >18)? cout LL " Herro" : cout LL "no herro" 21 > 18 / Hello will be printed. -> Switch case: Syntax: Switch Cexpression) Case 2: Coptional) default:

Ex! Switch (index) { Case 1: Coutex "Monday"; Cout 2: Cout ex " Tuesday"; Cout 3! cout << "vædnesday"; default: Cout XX " sunday"; For loop discussed in learn Ctf while loop do vohile loop for each loop Syntax: for Cinitialization; conditioner, operation) for Cinti=1ji/2=5; i=i+1)
con also be written ay Coutzzij (it= loritt or ++i) DoyRun: for Cinti=1; 1 = 5; 1=1+1) Cout Kij 1=3-> 3/=5 P=1-> 1/8=5 (= 1+1 1=5->5L=5 5/ -> i=5+1 12345

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Q) Pnt h=4 for (int i=0; ix=4; i=i++) Cout & "Love"; intn= y +; 1=1-414=4 1=0->01=4 for cinti=o; iL=U,i++) (Love cout 42 "Love"; 9=4-442=4 123->34=4 1=2 -> 2 = 4 FOUR 9= 1+1 =2+3 1=5 -> 54=46 1-3 (g) for Cint i=nj i>=0ji=i-1) Cout LL " "



Dry Run:

OIP: 2468 101214 1618 20