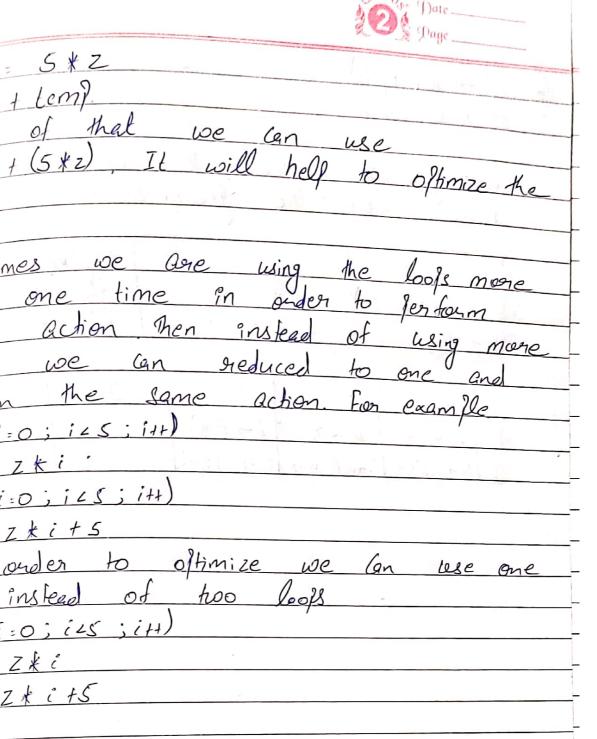


a Optimization & We Can optimize the blocks with
the helf of given tyles -
i) Common Sub-Extression Elimination & In this, we
don't need to
find it over and over. Instead we can find
- it once and keft in store from where it
neferenced when encountered again for example
a = bobs nty b = a-d
$C = \frac{5+C}{7}$
In above example we are computing they two times. Instead we can directly assyn a to c
a street we can directly asign a to c
a = 819
$-\frac{b=a-d}{c-a}$
$ C = \alpha$
?) Dead-Gde Elimination & Some times it halfens
that a luman of a
dead code It is the block ofthe code which
and the state of the same with
- Suffice we have worther z=4+d but
lever on we are not wing that lest of
- Code so in order to oftimize our Code
- we can simply exemple that had not took
ty late of the
Sometimes it hallens that we use a
temporary variable to assign a comple
multiplication and then we will use that
variable for assignment Instead use that
dispetly asign the multillication to the
main variable for exemple.
Scanned with CamScanner



1	76-1-3
	a = Z * i
	5 = Z * i +5
	Some times we are computing same statement n number of times so in order
	eletement n number of times so in order.
	to offinize we can use that one time
	From example Use this
	$\int_{\Omega_{2}} \left(i \cdot \Omega \cdot i \right) \left(z \cdot 2 + C \right)$
	7-940 for (i=0; i150; i1+)
	$if(z>i) \qquad \qquad if(z>i)$
	d= i+5
	Q = (+S
_	

5 * Z

one

action

we

time

Can

i 2 S ; i +)

; i L S ; i++)

[=0; i25; i++

5 + temp.

Instead of that

b+ (5 *z)

tem? =

Sometimes