Doubts
OWA Group > Friends
2) TA Support
3 WA mc
1) int cot= 1 Initialization
while (cht £5) < @ condition
System. print. out ("Hello") -> Loop work
System. print. out ("
a) upda tion
cnt ++
initialization
while (condition)
rook mark
update
for (initialization; condition; update) <
Loop work (Task we want to

for (int cnt=1; cnt <=5; cnt++) <

System.out.print ("Hullo")

Cnt = 1 / Hello
Cnt = 2 / Hello
Cnt = 3 / Hello
Hello
Hello
Hello
Hello
Hello
Hello

Factors of a number i is said to be a factor of M if i divides N completely i.e. My i= 0 Factors of 6:1,2,3,6 Factors of 10:1, 2, 5, 10 Quiz 3: Factors of 24:1,2,3,4,6,8,12,24 Factors of M - EI, NJ

Quiz 5: Smallest Prime	M_0 , \rightarrow 2	
	5,7,11,13,17,19,23,29	
	(10:14)	
Break : used to exit or terminate		
the nearest enclosing		
int n = scn. next Int()		
int count of Factors = 0		
for (int nom=1; nom =n;	nom++)<	
if (n). num = =0) < count Of Factors ++	N = 24	
> > > >	Win day	
if (count Of Factors== 2) <	timy	
print (" prime")	col = 0	
else <	num=1	
> bring (,, not prime ,,)	Cof = 1	
	hum = 2	
	Cel = 2	
	(a) = 3	

d= 1-2-3 int n = scn. next Int() int count of Factors = 0 for (int nom = 1; nom = n; nom++)< if (n). nom = =0) < count of Factors ++

if (count of Factors >2)

break;

col Cof =0 mu=1 co/ = 1 if (count Of Factors == 2) < | print (" prime") col = 5 elic <
print ("not print") m = 3

- 1 Avoid unnecessary iterations
- Dusid to terminate a loop early based on some conditions
- 3) Once a loop terminates, control goes to the immediate next line after the loop.

Musted loop for (int i=1; i =5; i++) < for (int j=1; j = 7; j++) <

| print (j + "") println (" ") 2 3 4 5 6 1=1 1 2 3 4 5 6 7 `_ = 2 6 7 2 3 4 5 i=3 2 3 4 5 2 3 4 5 6 7 **i=** S for (int i=1; i =5; i++)< for (int j=1; j=7; j++) < 1/2 cj = = 5) < | break 12 print () + " ") println (" ")

Continue: Skip rest of the current iteration and nove to next iteration in loop

Print all odd nos. from 1 to 14

for (int nom=1; nom=1)

for (int nom=1; nom=+)

for (int nom=1; nom=+)

for (int nom=1; nom=+)

for (int nom=1; nom=+)

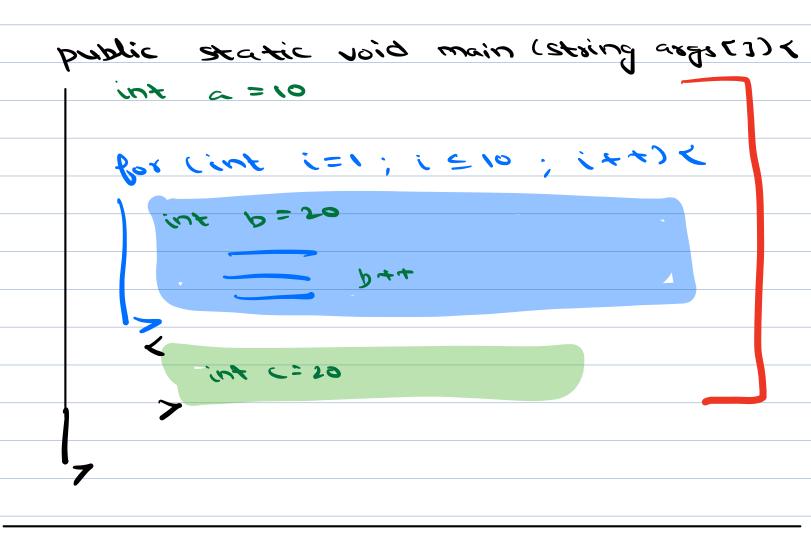
n= 7

1 3 5 7

How to solve Questions with T test casu? 1. Read the value of T 2. Use a loop to iterate T times 3. Inside loop 3.1 Read the input specific to 1 test case 3.2 Apply logic 3.3 Output of test case Given T test cases, each test case will have 1 integer in input, check if it is prime or not.

```
int T = sun next Int()
for cint ent=1; ent ET; ent++) <
      int n = scn. noct Intc)
       int count of Factors = 0
       for (int nom=1; nom =n; nom++)<
       if (n) num = =0) <
       | count Of Factors ++
      if (count Of Factors == 2) <
       | bring (" bring")
       elsc <
        | bring (" not prime ")
Scope of Variable
lifetime of variable
```

region of a program where that variable is accessible and can be used



April 23

a = = b

num #12)

num2 # Nj2

