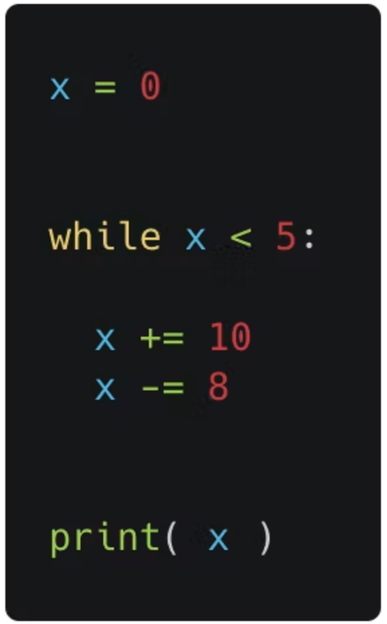
Mentimeter

IN1000 Gruppetime Uke 4 Del 2

Gruppe 4: Design

Mentimeter

Hva skrives ut når følgene kode kjøres?



0 ✗	0 ✗	0 ✗	0 ✓
5	4	10	6

Mentimeter

Diskuter!

Mentimeter

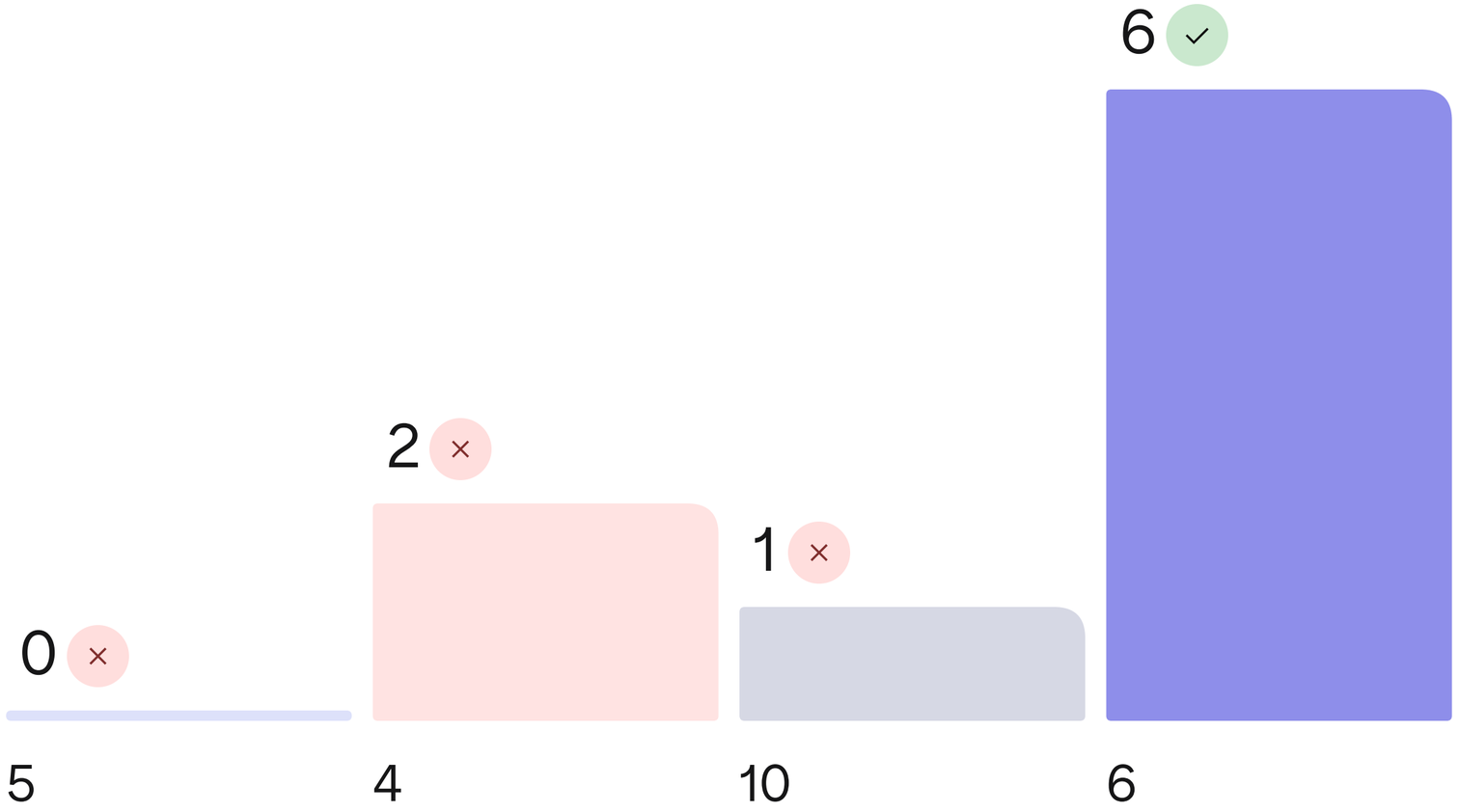
Hva skrives ut når følgene kode kjøres?

```
x = 0

while x < 5:

  x += 10
  x -= 8

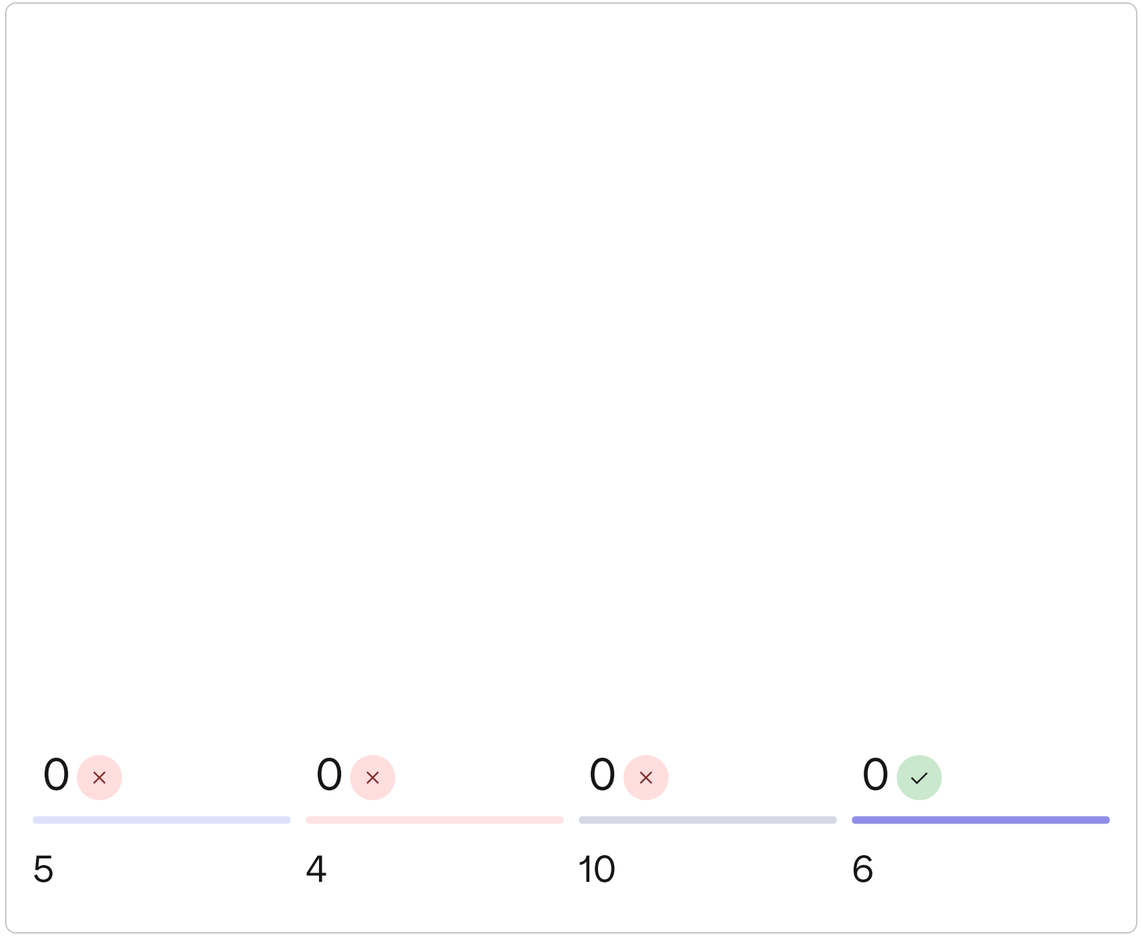
print( x )
```



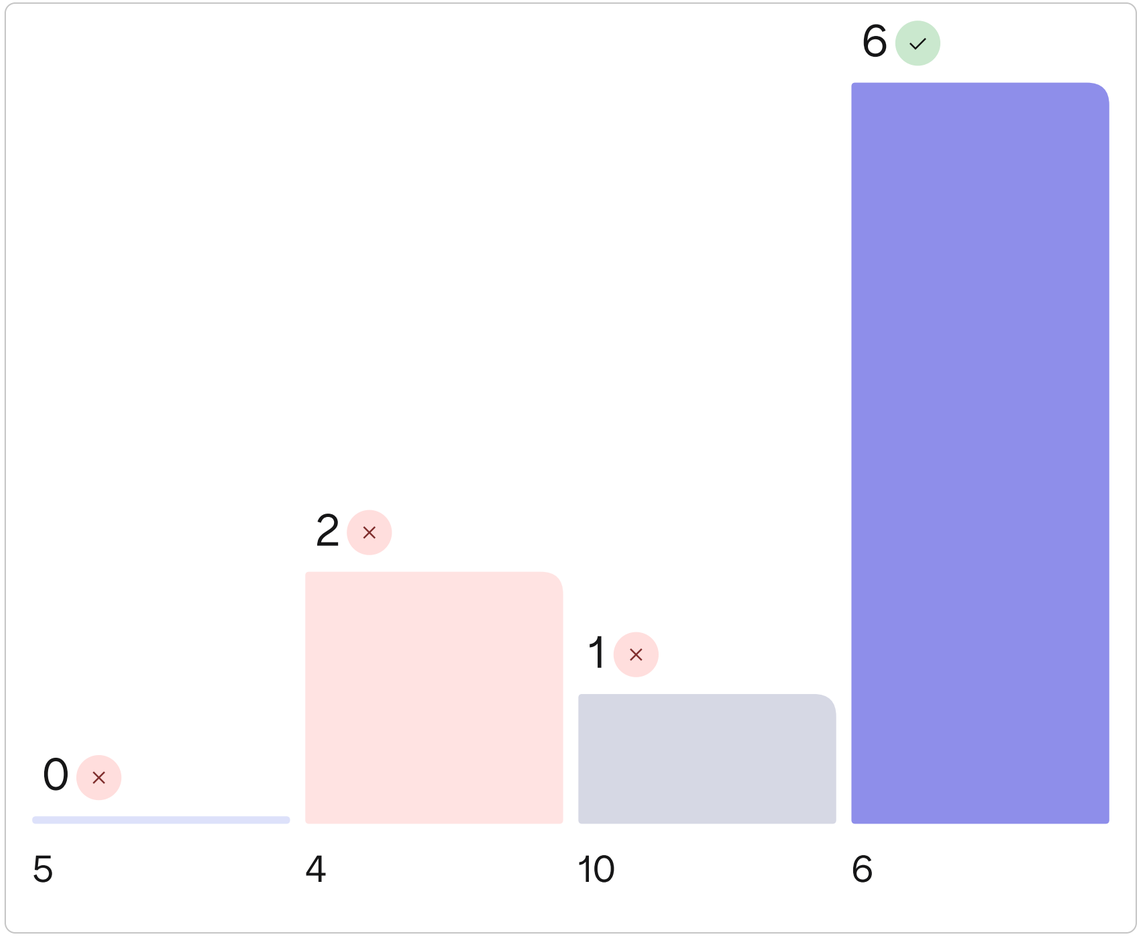
Mentimeter

Compare slides

Hva skrives ut når følgene kode kjøres?



Hva skrives ut når følgene kode kjøres?



Mentimeter

Hva skrives ut?

```
tall = [10, 20, 30]

for i in range( len(tall) ):

  print( tall[i + 1] )
```

0 ✗ 20 30

0 ✗ 10 20 30

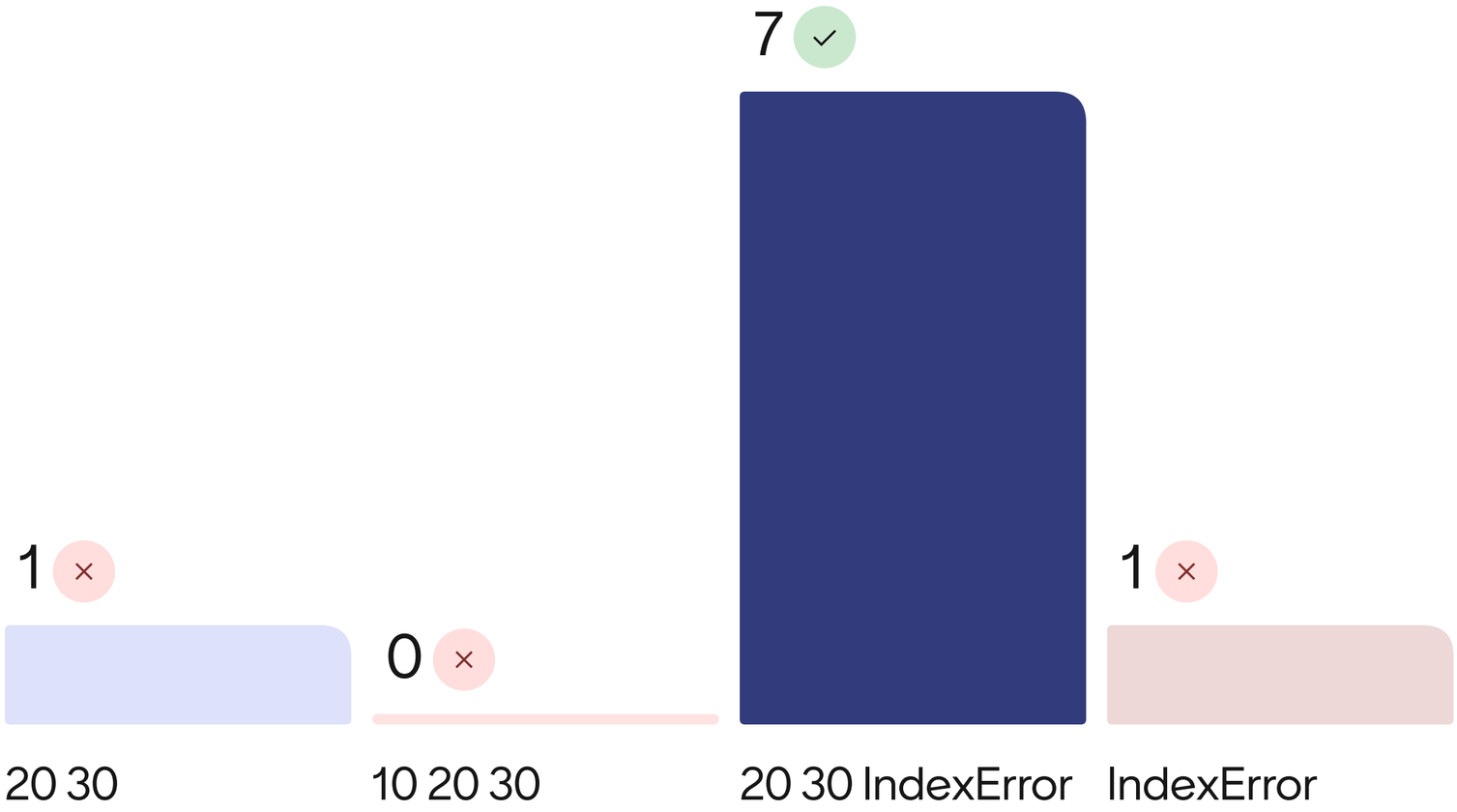
0 ✓ 20 30 IndexError

0 ✗ IndexError

Mentimeter

Diskuter!

Hva skrives ut?




```
tall = [10, 20, 30]

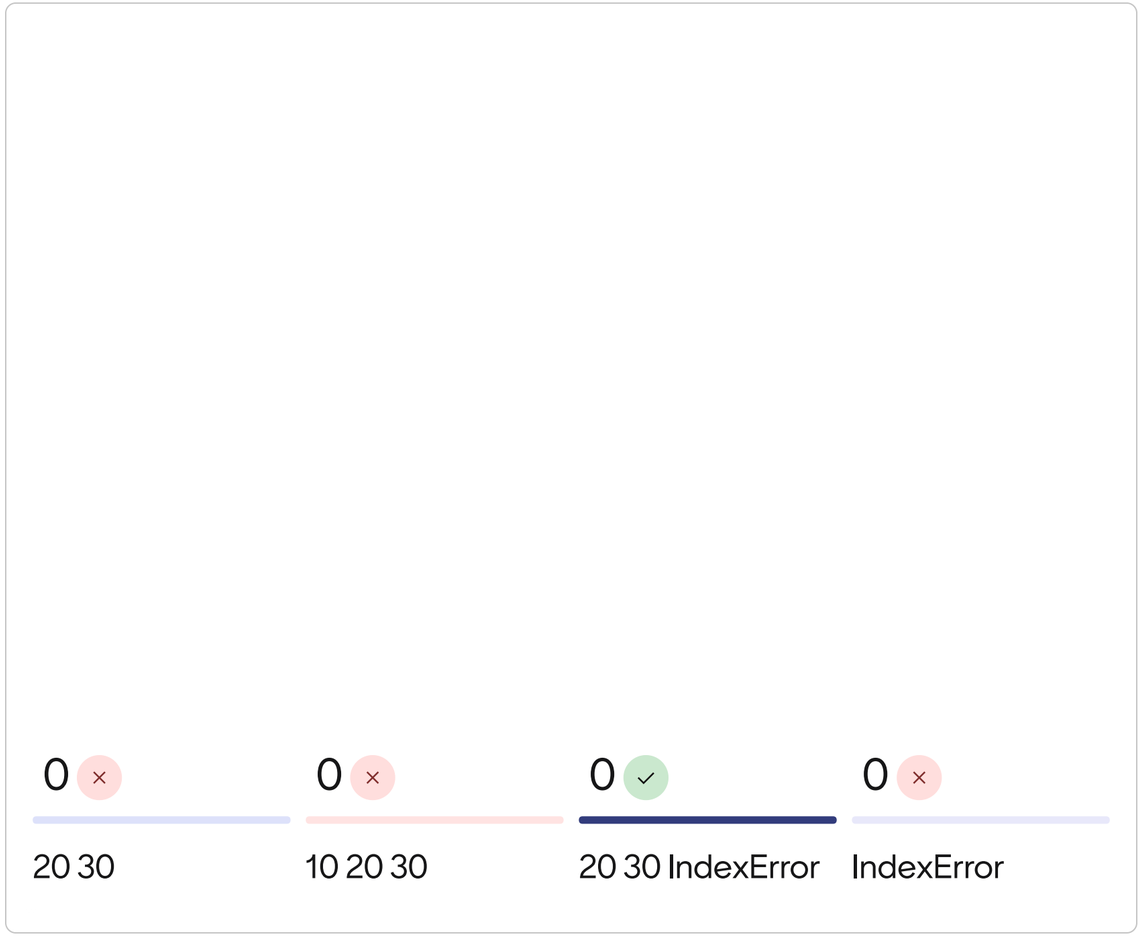
for i in range( len(tall) ):

  print( tall[i + 1] )
```

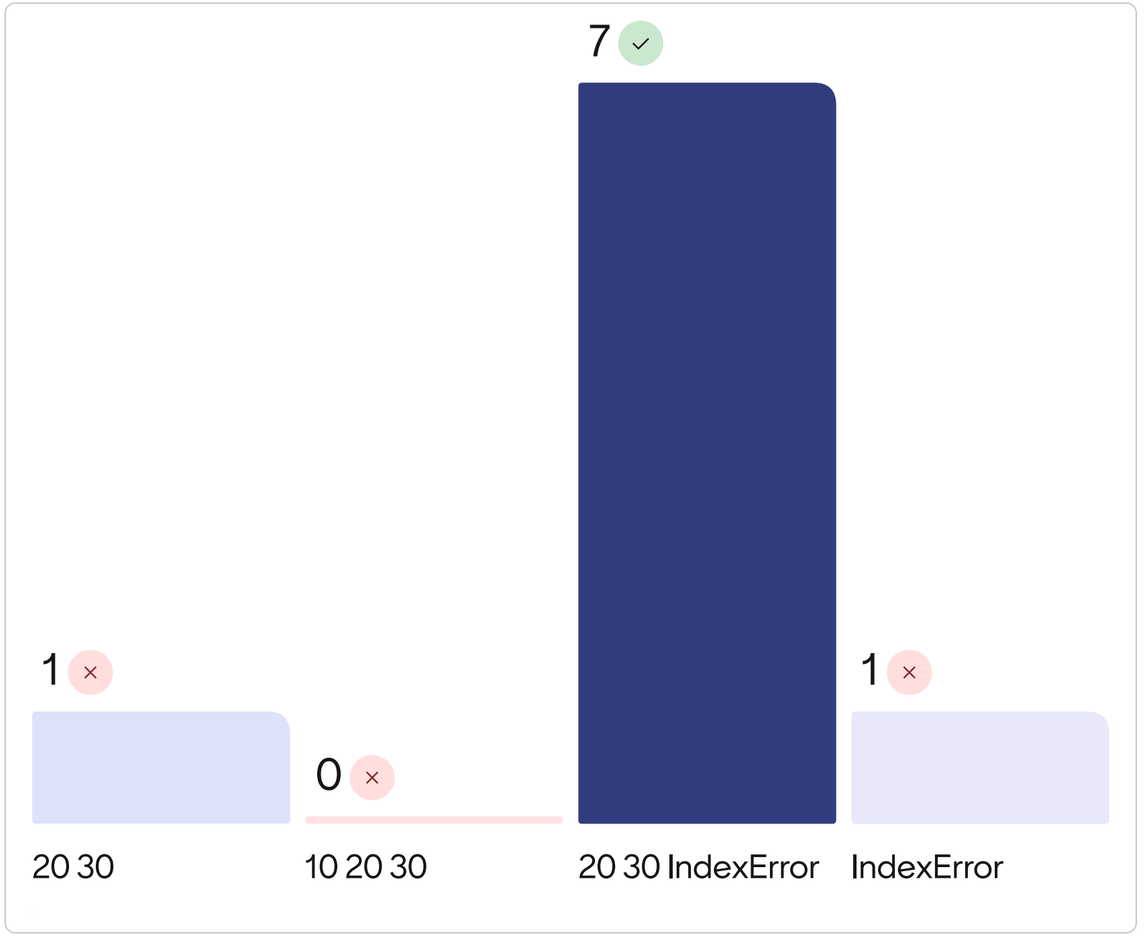
Mentimeter

Compare slides

Hva skrives ut?



Hva skrives ut?



Mentimeter

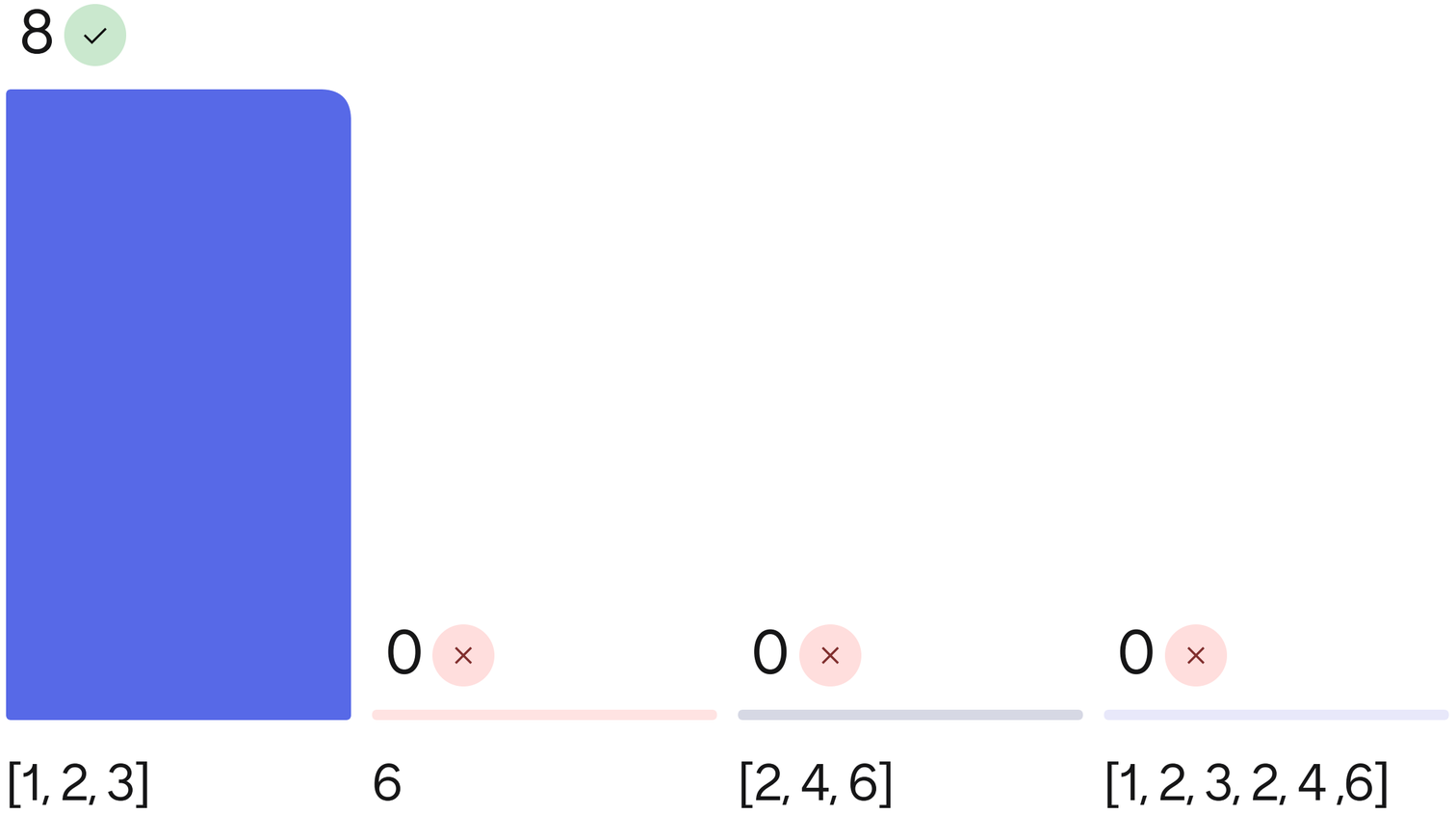
Hva printes her?

```
tall = [1, 2, 3]

for x in tall:

  x = x * 2


print( tall )
```



Mentimeter

Diskuter!

Mentimeter

Hva printes her?

```
tall = [1, 2, 3]

for x in tall:

  x = x * 2

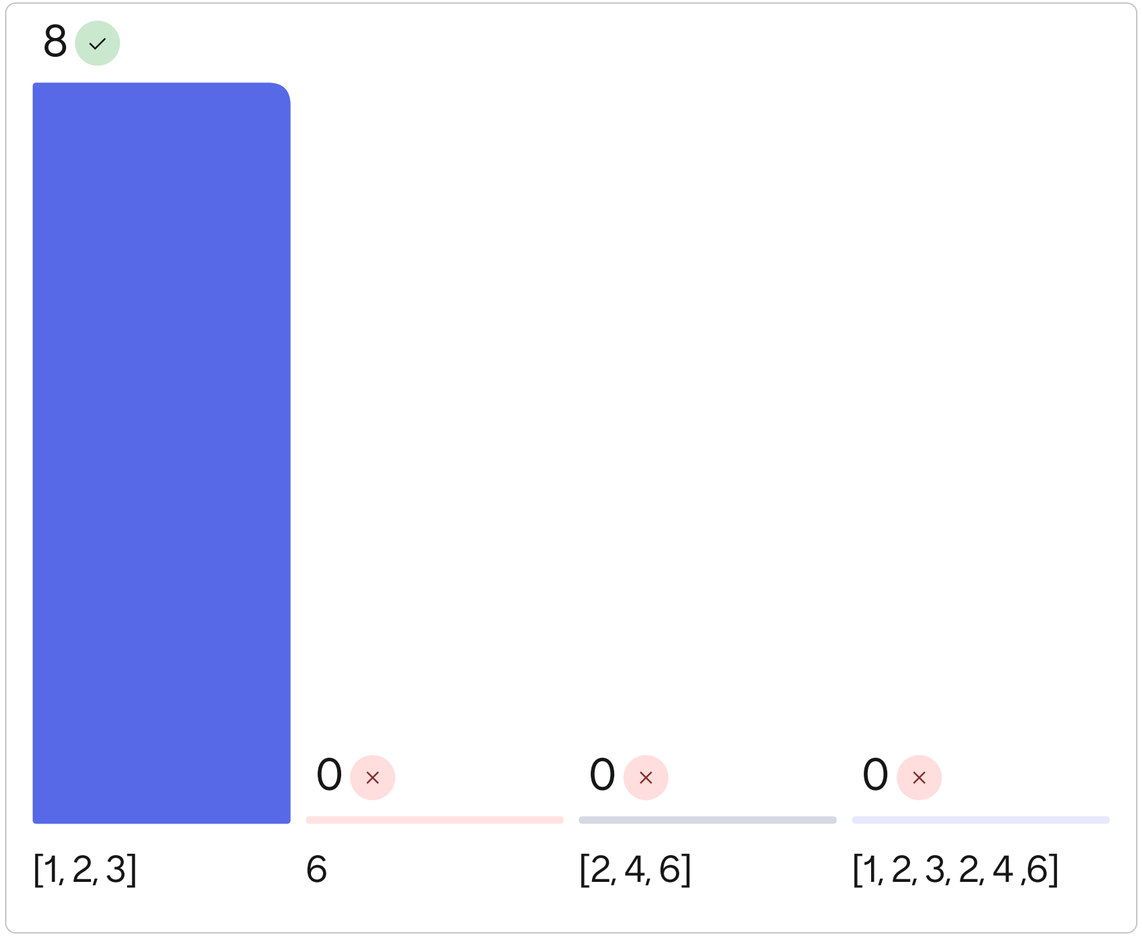

print( tall )
```

0 ✓	0 ×	0 ×	0 ×
[1, 2, 3]	6	[2, 4, 6]	[1, 2, 3, 2, 4 ,6]

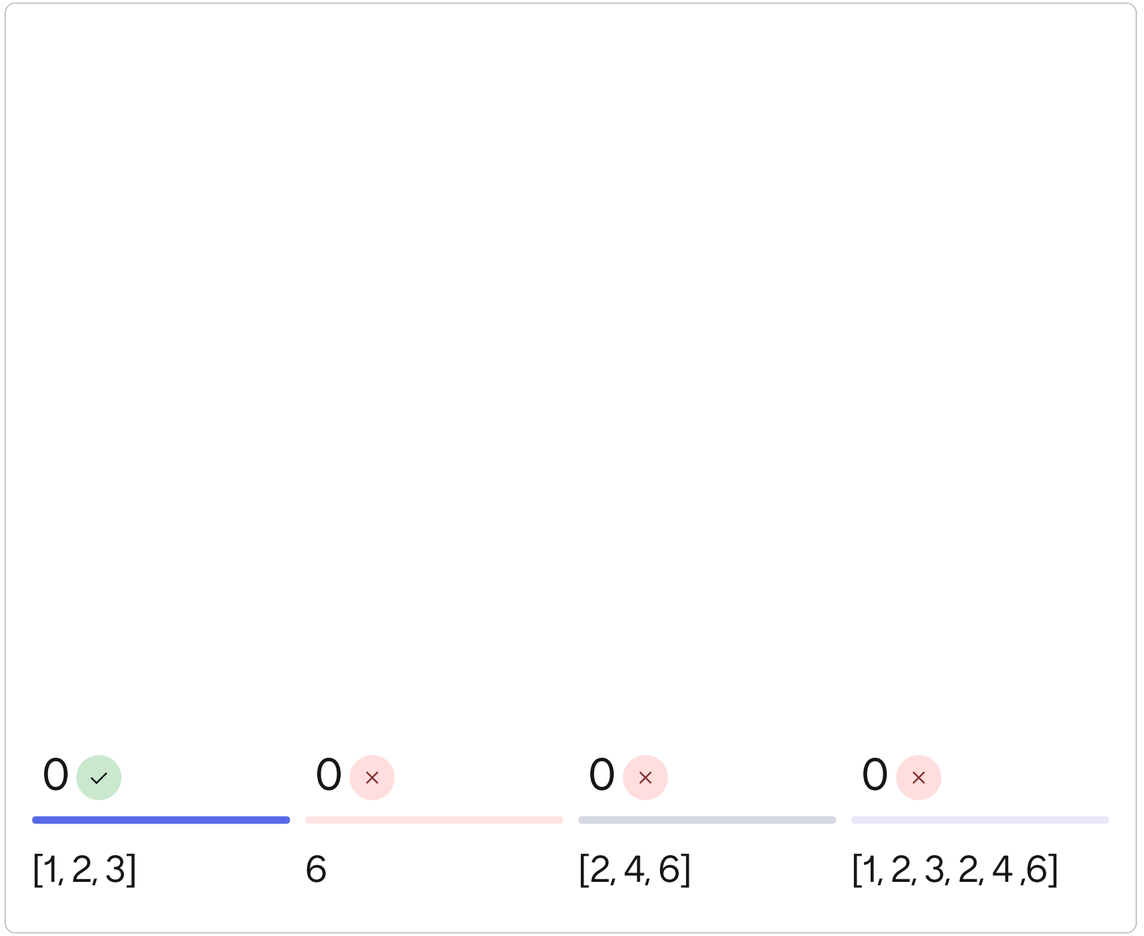
Mentimeter

Compare slides

Hva printes her?



Hva printes her?



Mentimeter

Hva blir tall?

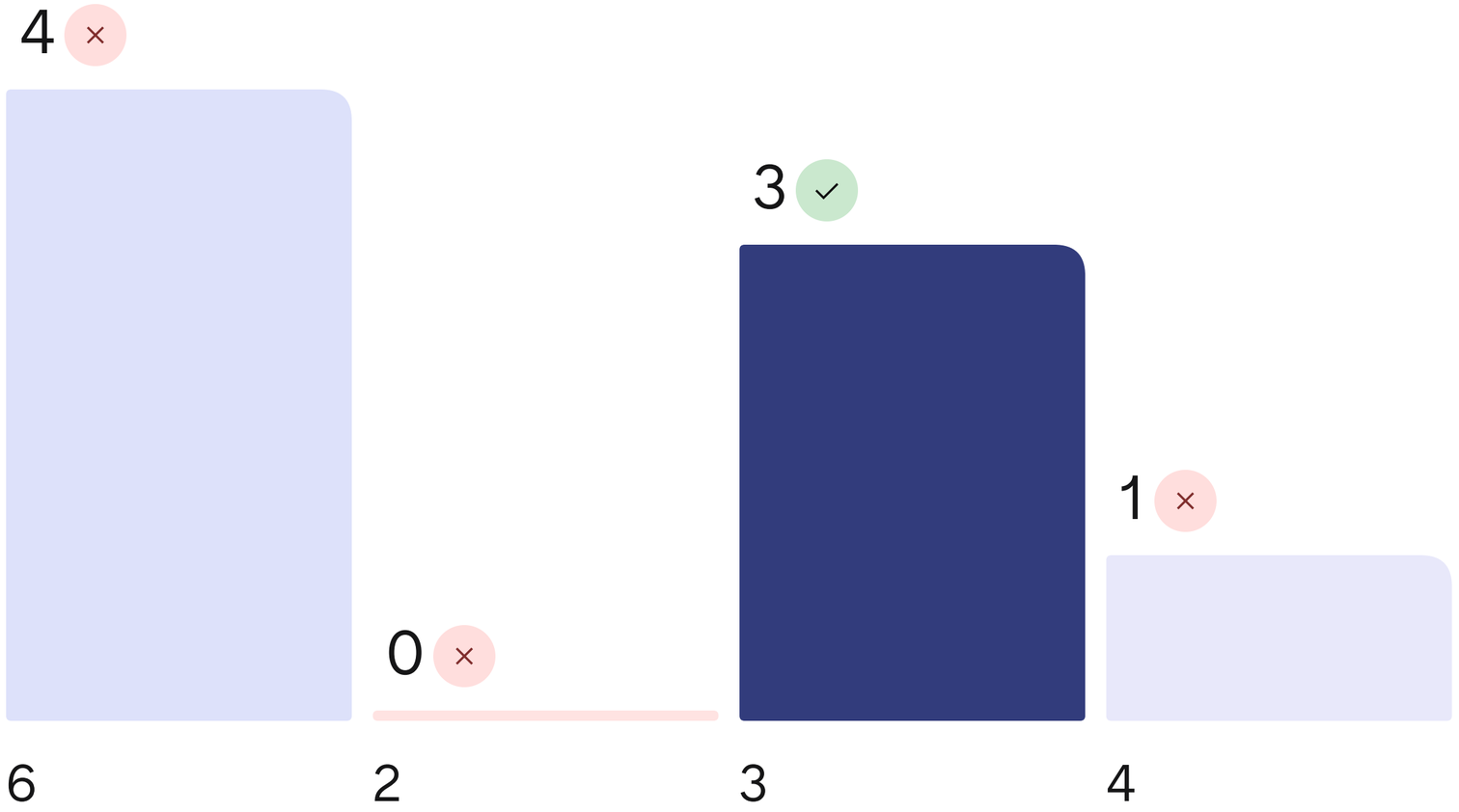
```
tall = 0

for i in range(1, 4):

  for j in range(i, 4):

    if i != j:

      tall += 1
```



Mentimeter

Diskuter!

Mentimeter

Hva blir tall?

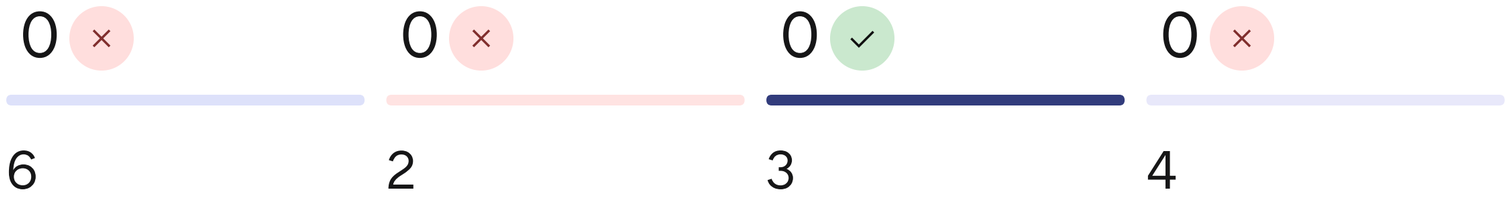
```
tall = 0

for i in range(1, 4):

  for j in range(i, 4):

    if i != j:

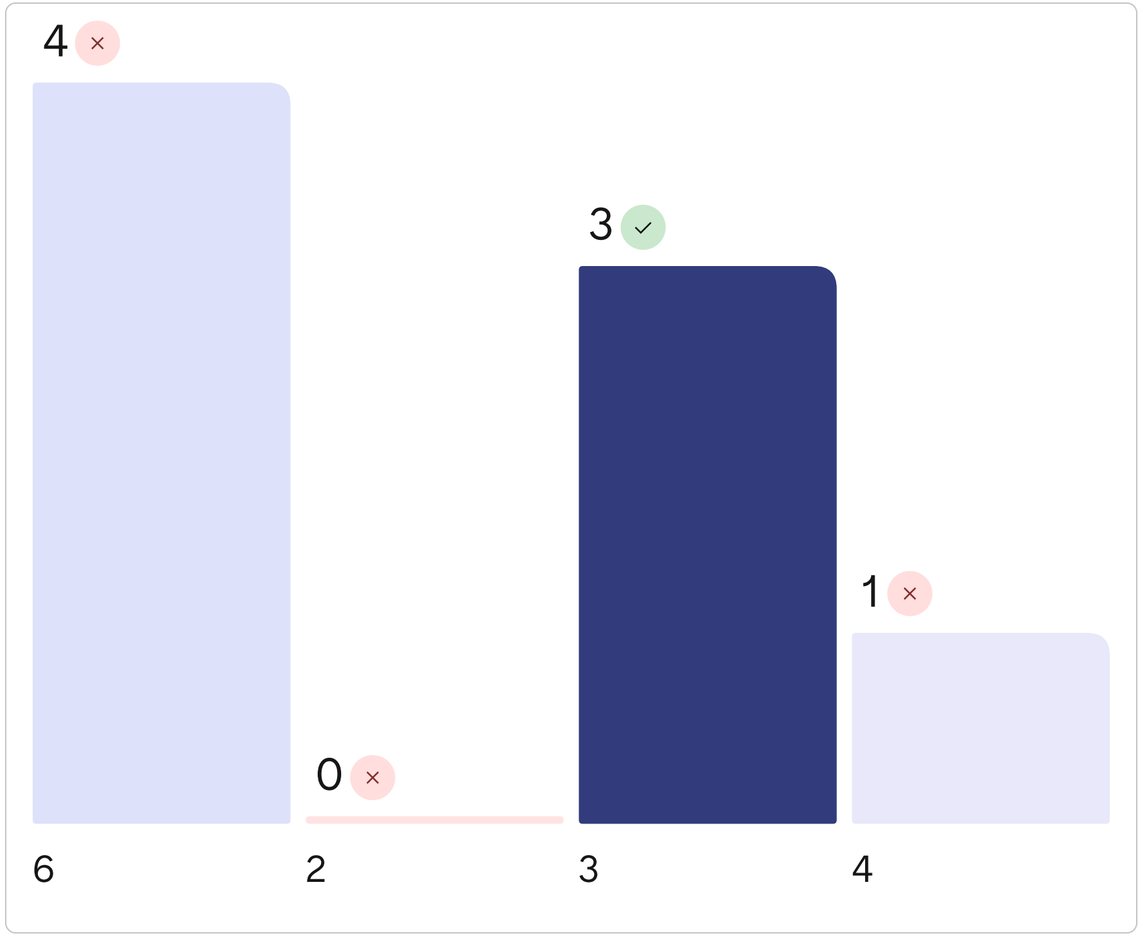
      tall += 1
```



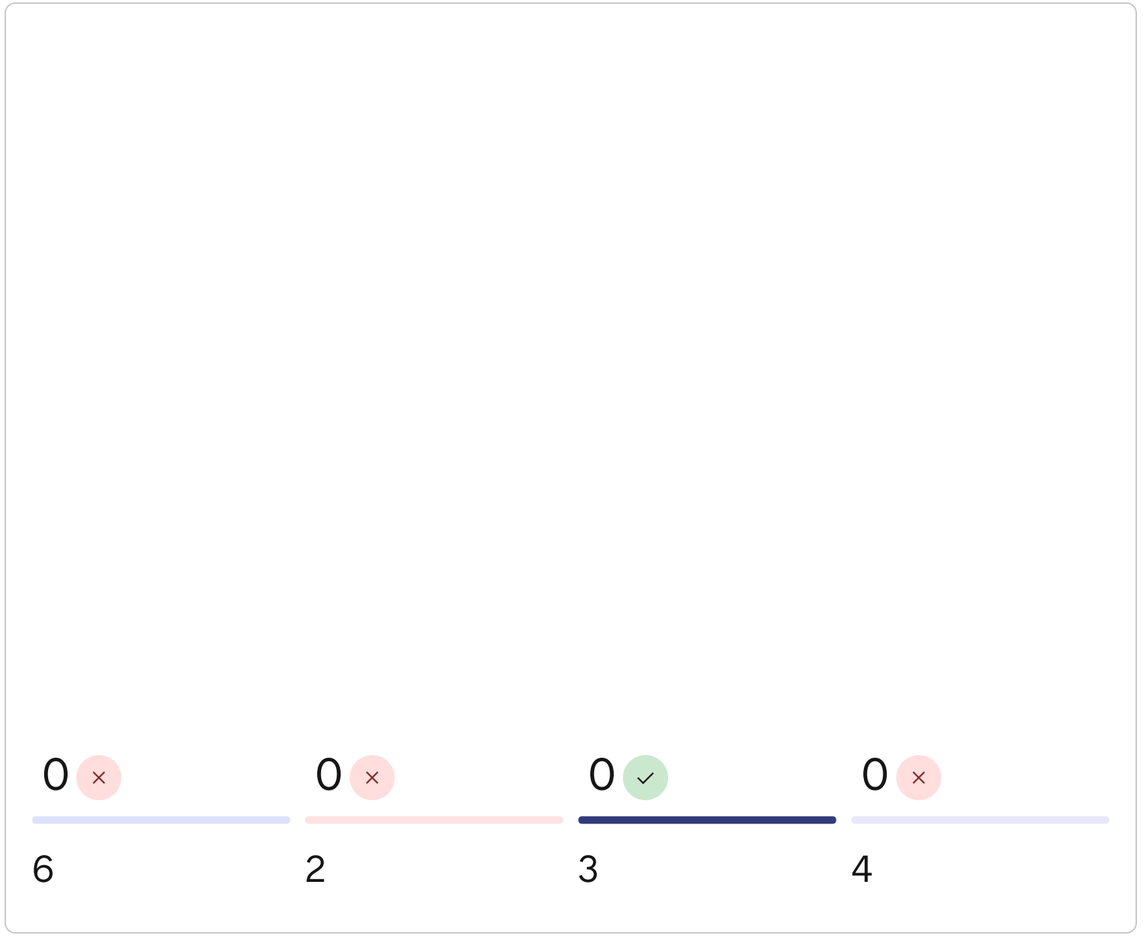
Mentimeter

Compare slides

Hva blir tall?



Hva blir tall?



Mentimeter

Par-programmering!

Bruk gruppene dere er i og gå i par.
En skal være sjåfør mens den andre skal være navigatør.

Sjåfør: Personen som skriver koden med riktig syntaks
Navigatør: Tenker videre på neste steg i oppgaven, ser opp for logiske eller syntaktiske feil

Sjåføren skal bare skrive mens navigatøren forklarer

Bytt rolle hvert 5 minutt ca. (eller når dere føler for det)

Dette kan være god øving for å både forklare kode med naturlig språk og oversette naturlig språk til kode

Oppgaver kan bli funnet på emnesiden ved gruppe 4