

# App Inventor 2

MIT App Inventor Android App

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  - App Inventor 2 (TinyDB)
  - App Inventor 2 (List) (ListPicker)
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- App Inventor
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# App Inventor 2

App Inventor 2

# App Inventor 2

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App Inventor Google Android (Beta) Google

App Inventor (Blockly)

App Inventor Android Android App Inventor

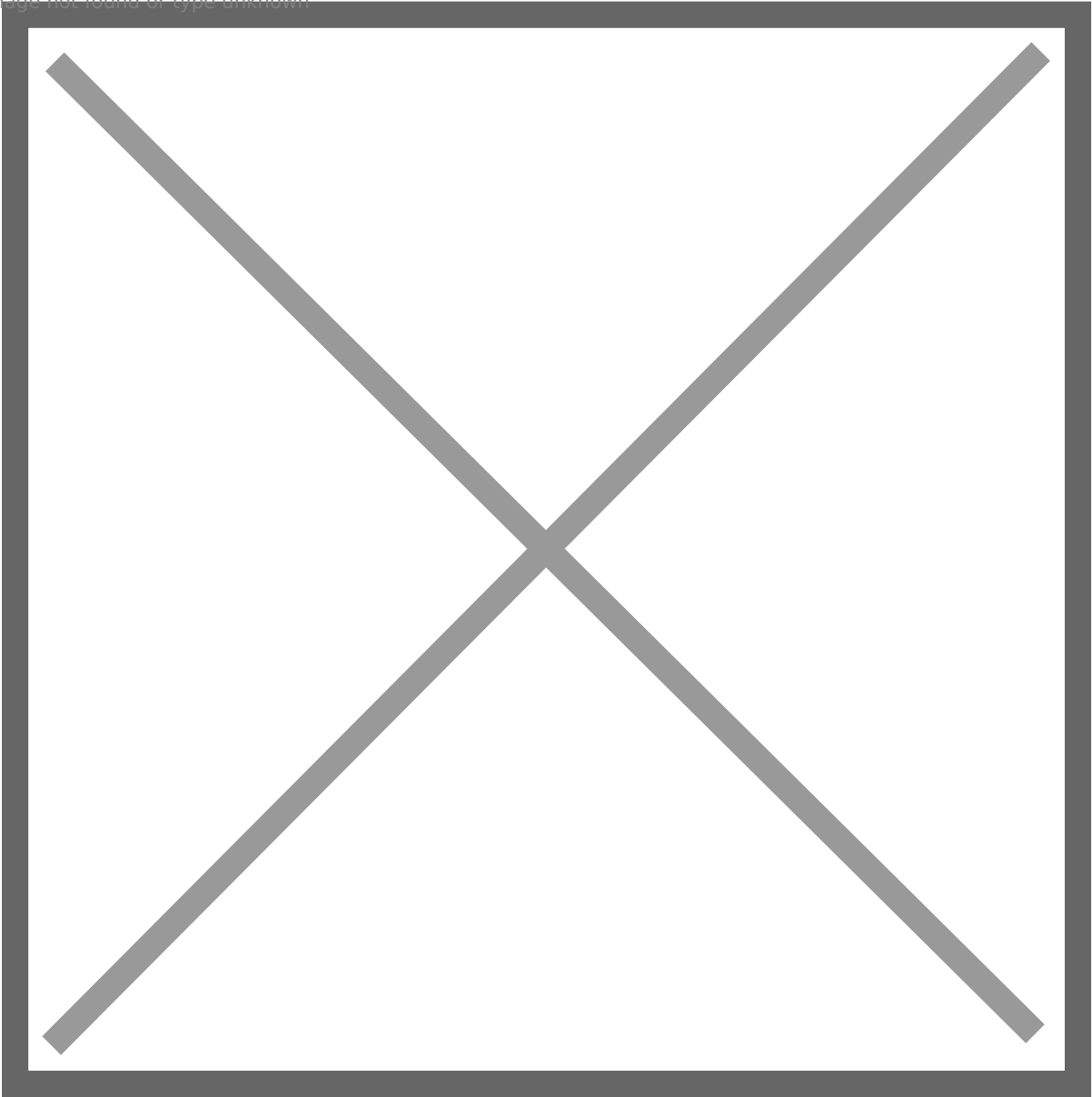
- <http://ai2.appinventor.mit.edu/> Chrome
- server AI2 server
- Windows
- Google Play

## MIT AI 2 Companion

App Inventor WiFi USB

MIT AI 2 Companion APP

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App Inventor 2

# App Inventor

## App Inventor

1. Chrome [App Inventor](#) Google App Inventor Allow

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accept ...

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2. App Inventor

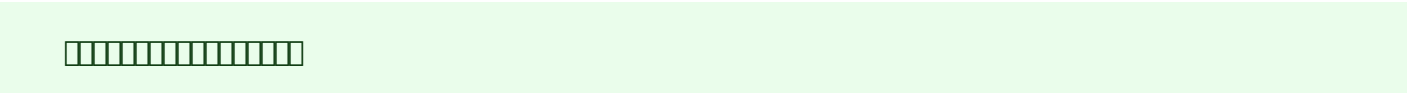
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3.

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app1 android1 myFirstApp ...

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4. App Inventor

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# 1



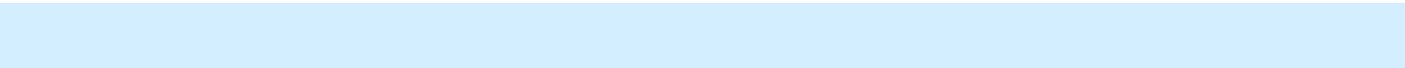
- Click Me!
- 24
- 
- 1 →
- 1 → 1
- " " 1 → Hello world !
- image not found or type unknown
- 
- 



App Inventor

- AI APP
- 
- USB
- QR code
- apk

( →Public→App Inventor 2)

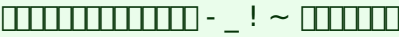
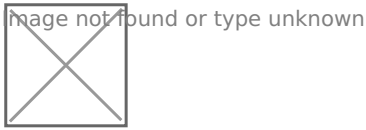




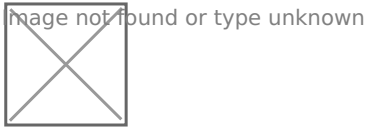
1. 1 1

2. 

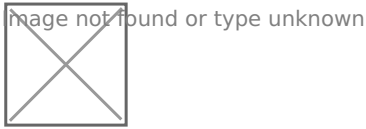
3. 



4. 1 



5. 

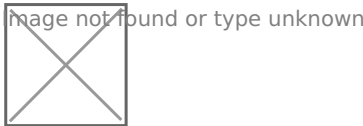


6. 

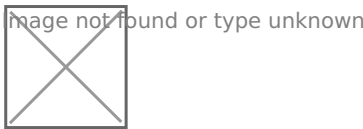
7. 

8.  

# App Inventor 2



( ) ... (if~then)



```
1"12345678"  
" \n"
```

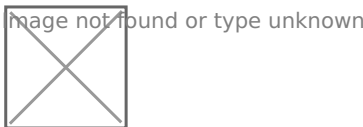
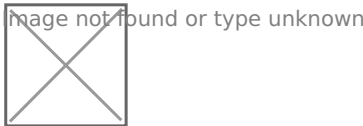






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□□3□□□□□□□□60~100□□□□“□”□□□□“□□”□□□100□□□0□□□“□□□”



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□□□□□□□□0~100□□□□□□□□□□

□□□□□□□□



90□□□□

80□□□□

70□□□□□

60 

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App Inventor

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```
bool(Boolean, bool)(True)(False)
```

□□□□□□/□□□□□□AND□□□□□□OR□□□□





# App Inventor 2BMI



BMI BMI=

$$BMI = \frac{\text{Weight (KG)}}{\text{Height (M)}^2}$$



**BMI**

BMI < 18.5	
18.5 ≤ BMI < 24	
24 ≤ BMI < 27	
BMI ≥ 27	



[app\\_bmi.aia](#) App Inventor





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[illegible]

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□□□□□□ □□(height)□□□(weight)□BMI

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[illegible]

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

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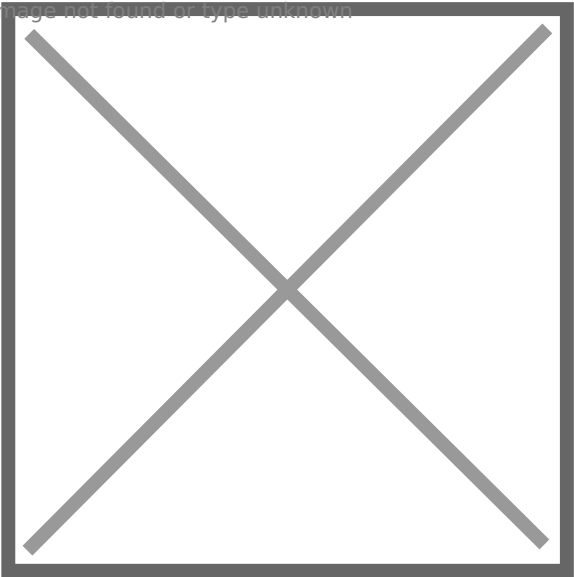
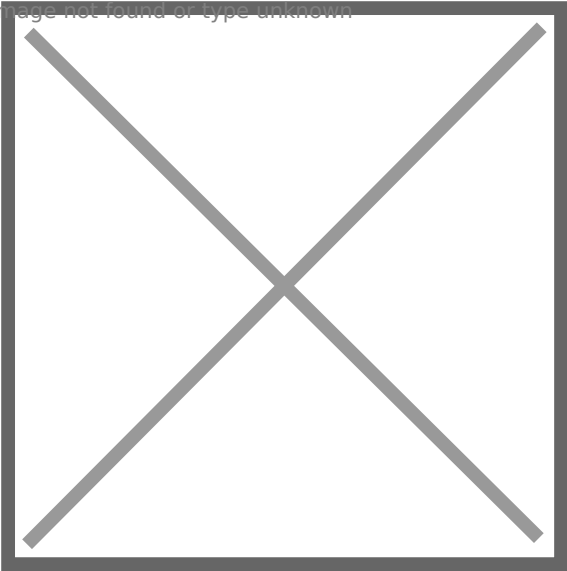


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# App Inventor 2(TinyD

## TinyDB

App Inventor APP TinyDB

TinyDb (Method) (Properties) Events SQL key

tag

TinyDB TinyDB Android

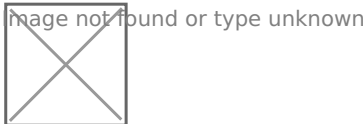


(Method)

1.



2.????????????????????????????????



3.

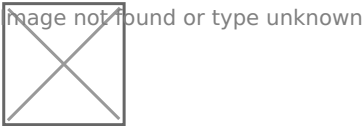
[illegible]

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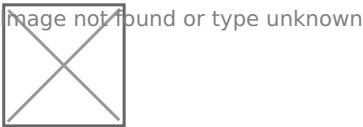
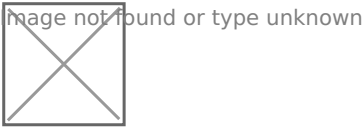
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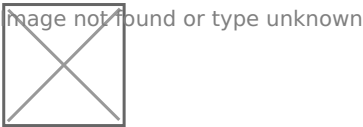
2. Screen1. APP1



1.



2. MIT AI2 Companion



# App Inventor 2

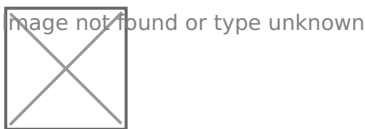
## (List) (ListPicker)

(List)

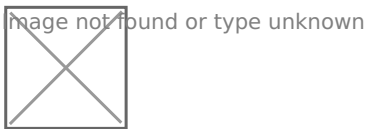
a1a2a3...

(Array)

App Inventor (List)



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(Index)App Inventor 1



1. 

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2. 

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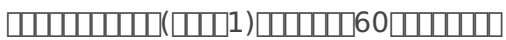


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3. 

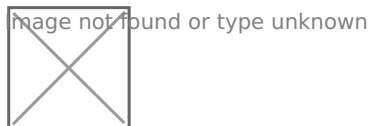
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4. 

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5. 

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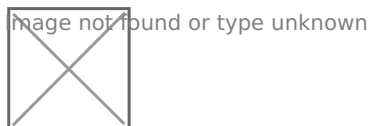
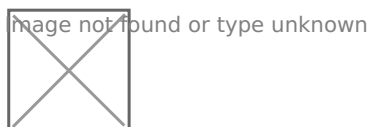
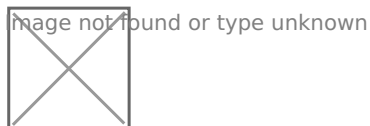


Diagram illustrating a sequence of 10 empty boxes followed by an implication arrow pointing to another sequence of 10 empty boxes.

[illegible]7. 

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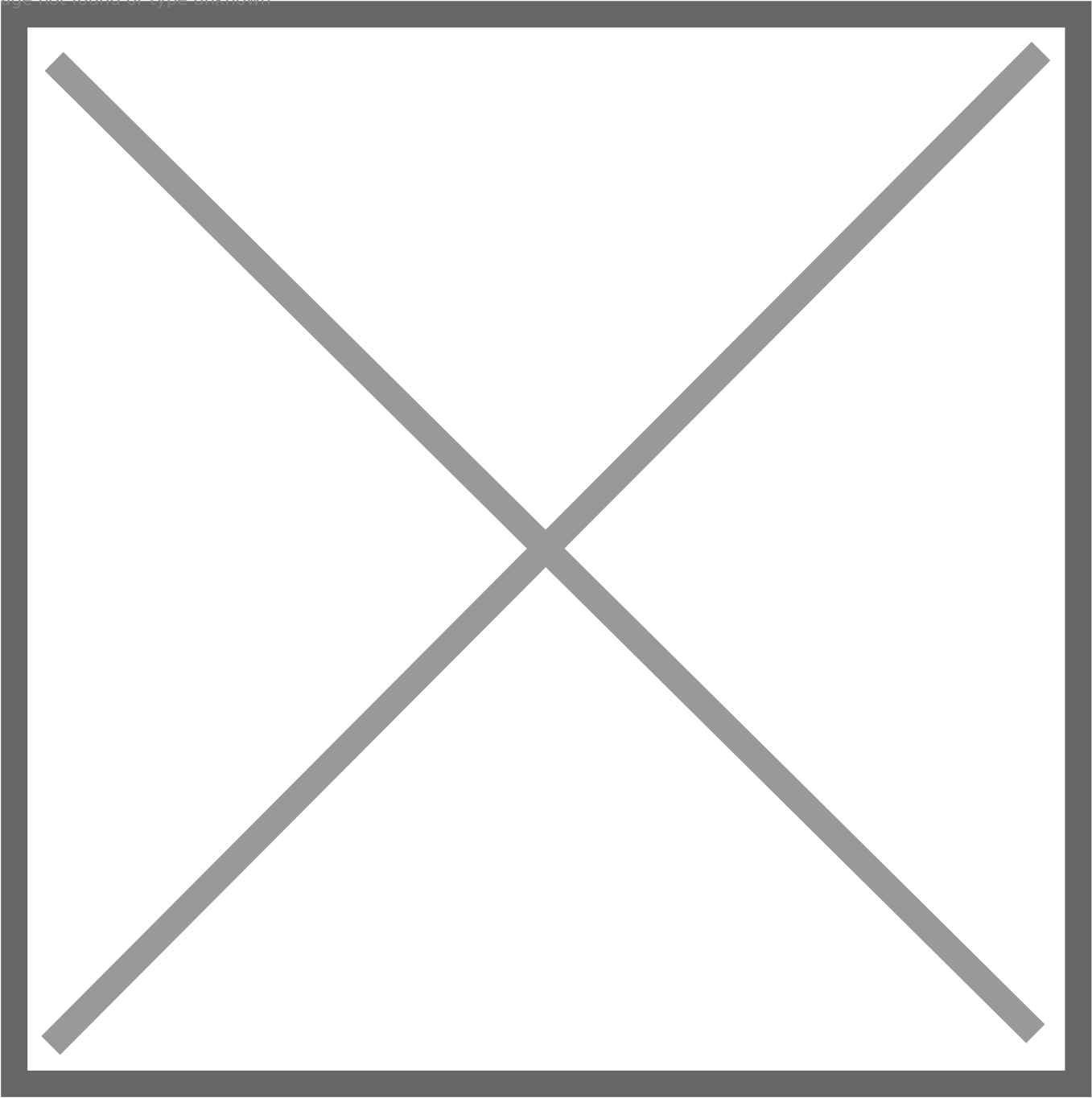
APP 

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# App Inventor 2

# MEmu

## Android

Android()VirtualBoxVMware...

- BlueStacks<https://www.bluestacks.com/tw/>
- Genymotion<https://www.genymotion.com>
- MEmu(<https://tw.memuplay.com>)
- Nox Player (<https://tw.bignox.com>)
- Andy<https://www.andyroid.net>
- <https://www.ldplayer.tw>

## MEmu

- <https://tw.memuplay.com>
- (1023MB)

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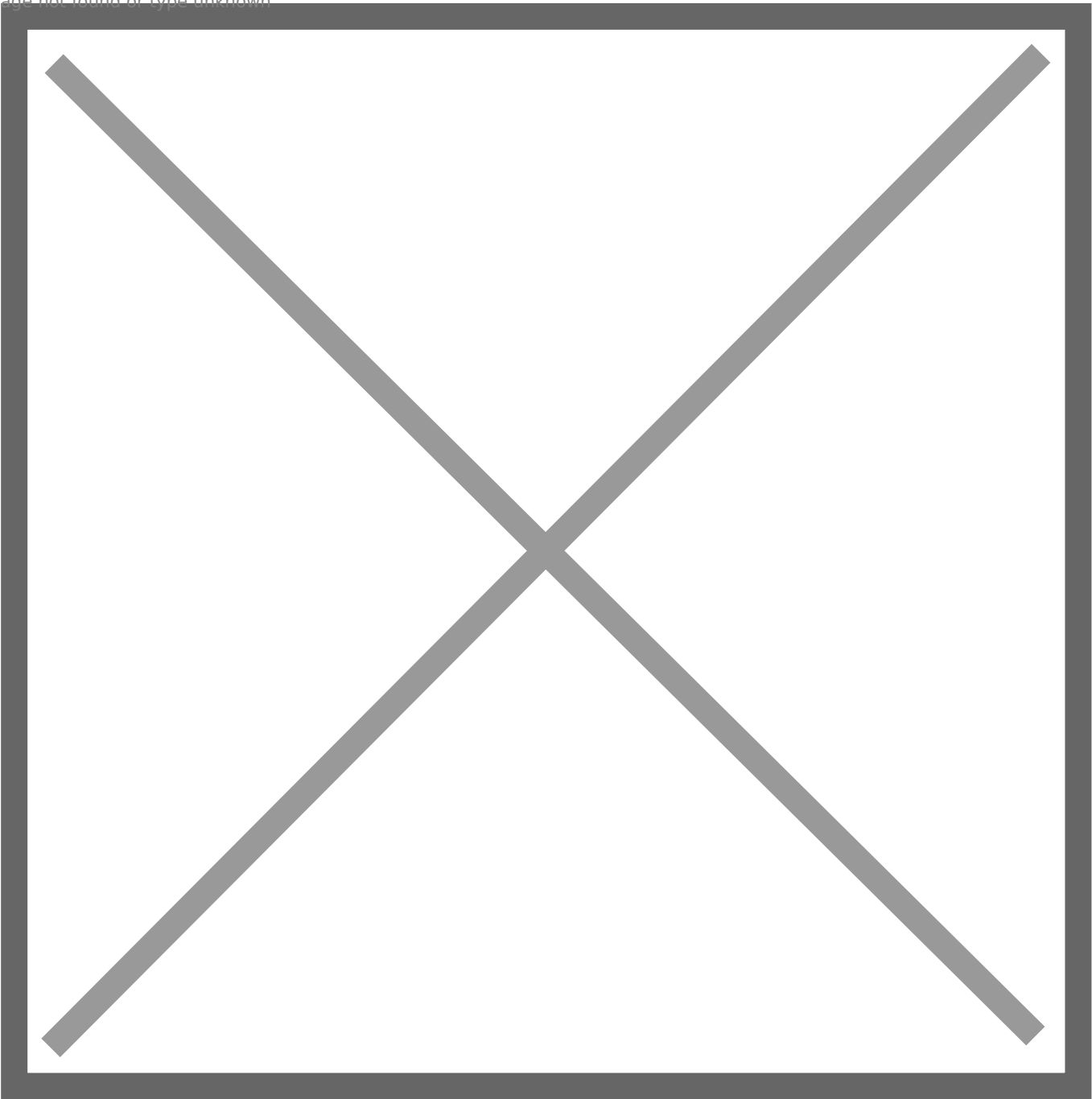


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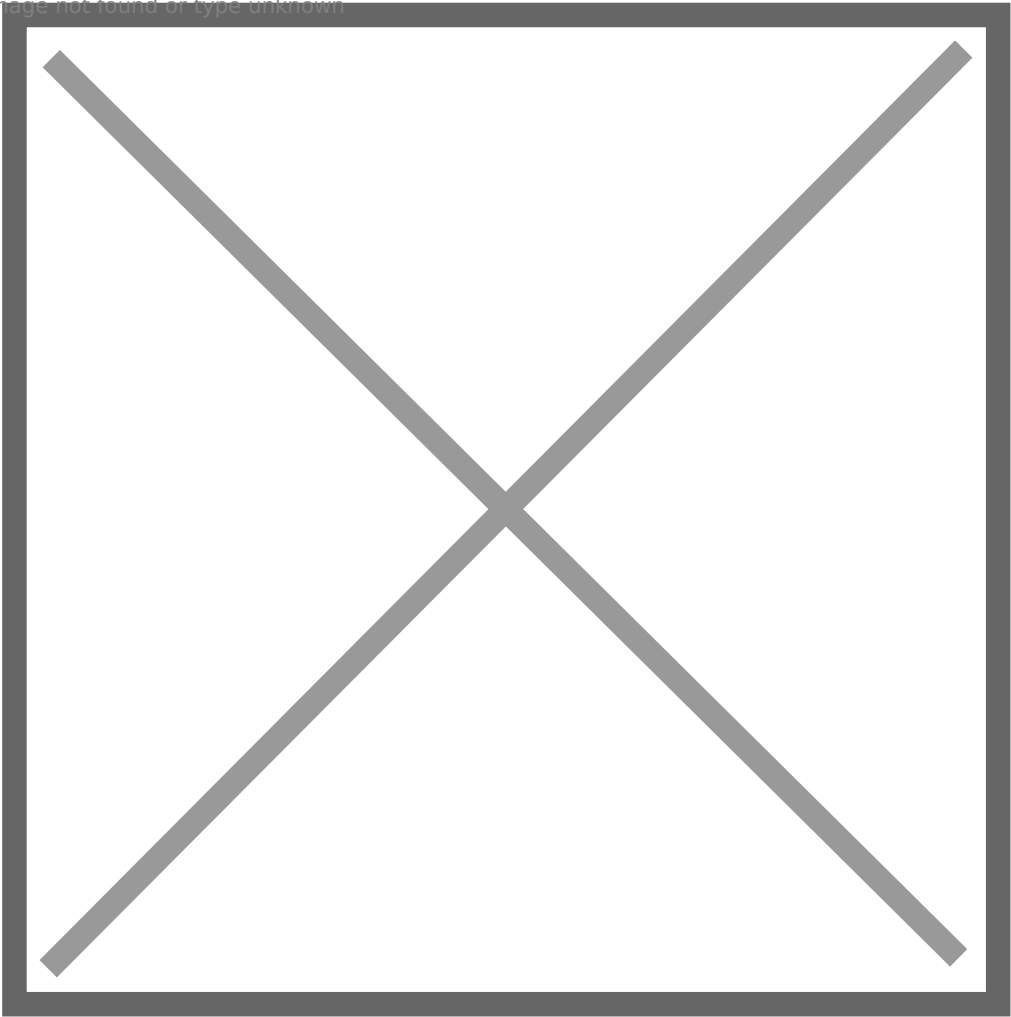
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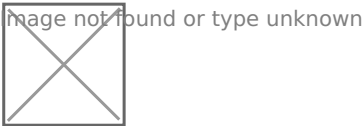
[MIT AI2 Companion](#) apk

 APP

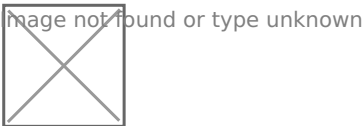
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App Inventor → AI Companion

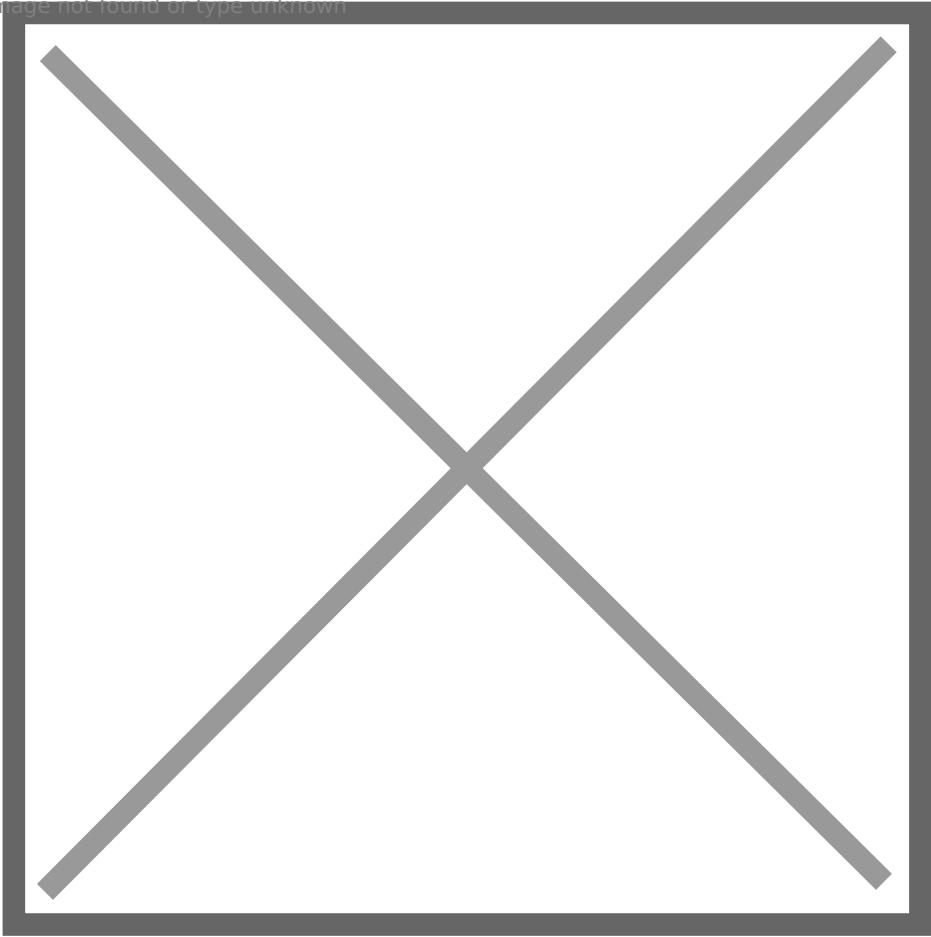


QR code scan QR code

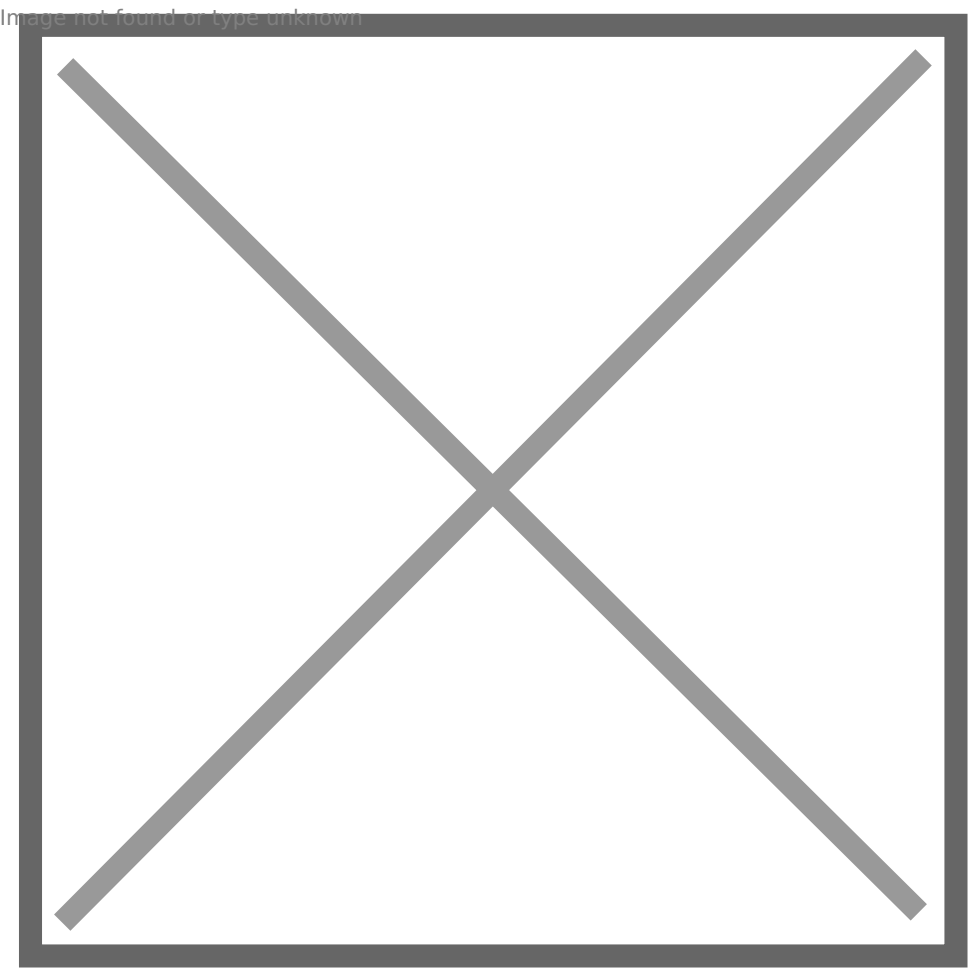


Connect with code

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Android

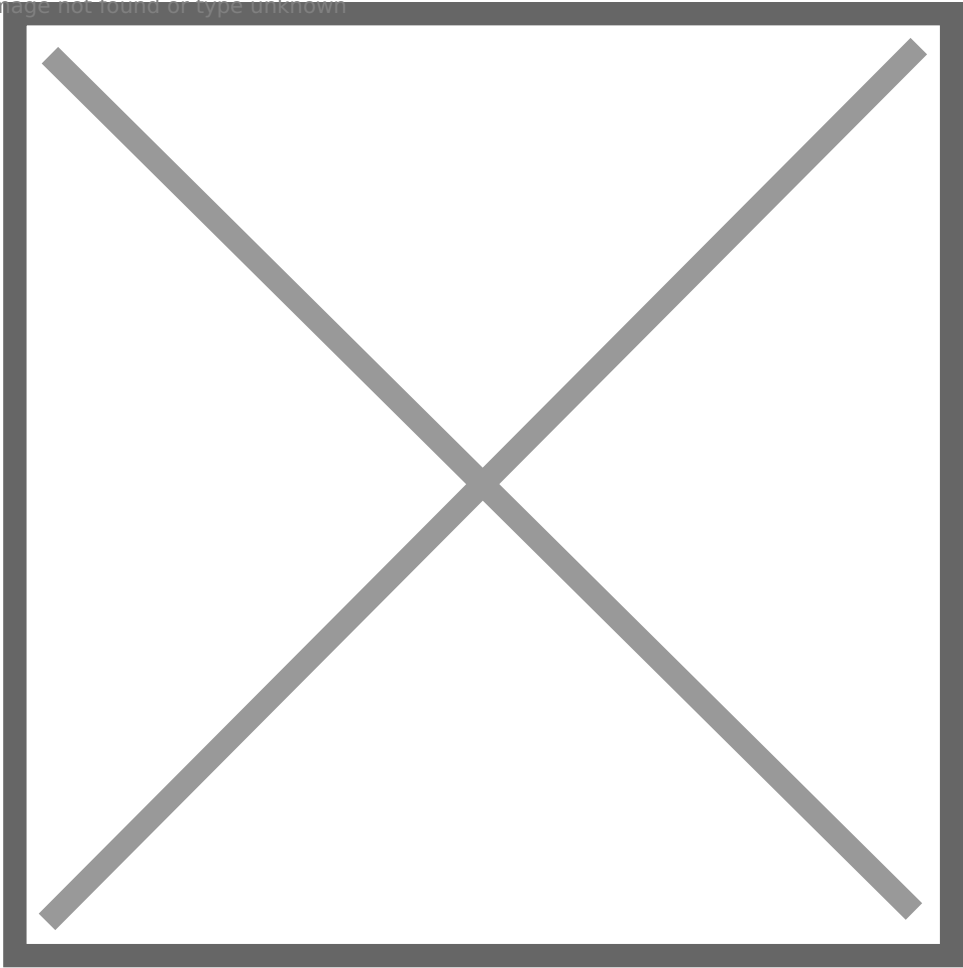


MIT AI 2 Companion

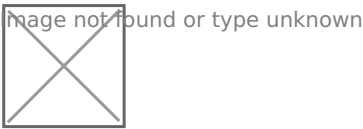
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AI 2 Companion MIT AI 2 Companion

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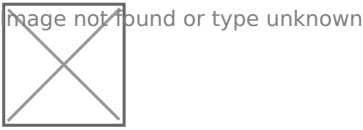
App Inventor →



# AI 2 Companion

AI 2 Companion App Inventor apk

App Inventor apk → apk




apk



apk

apk

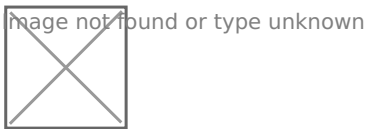
????????APP????????APP???????





App Inventor 

App Inventor



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- App Inventor 2
- App Inventor 2
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- Google [draw.io](#)
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  - ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
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2~3 5MB



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App Inventor ☐☐☐☐☐

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App Inventor



APP

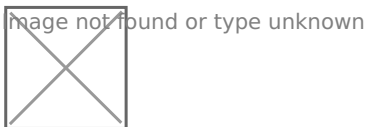
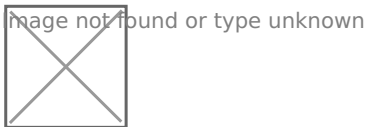
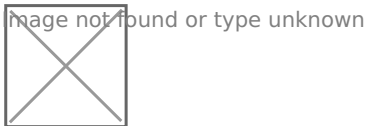




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