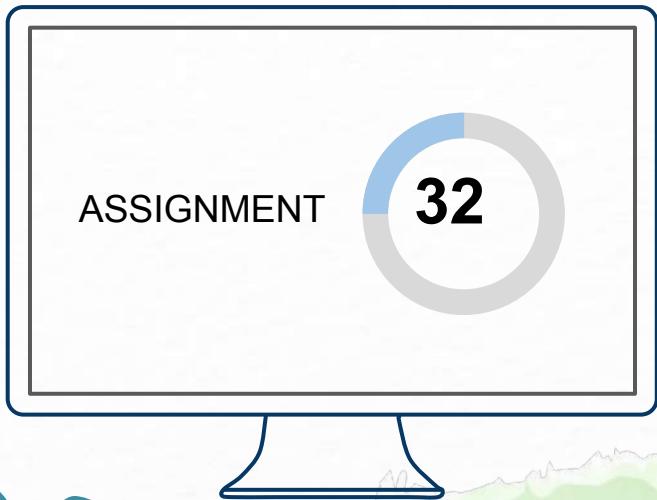


A39 - AKBAR FADILA



Kampus
Merdeka
INDONESIA JAYA

Tugas

- Buatlah Aplikasi kalkulator dua buah bilangan berbasis MIT App Inventor. Fitur wajib: Penambahan, Pengurang, Perkalian, Pembagian



MySkill

MSIA



Designer

A Tidak aman | ai2.appinventor.mit.edu/#6232112456663040 Perbarui

MIT APP INVENTOR Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English akbarrafidla@gmail.com

tugas_32 Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

Layout

- HorizontalArrangement
- HorizontalScrollViewArrangement
- TableArrangement
- VerticalArrangement
- VerticalScrollViewArrangement

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

Components

Viewer

Display hidden components in Viewer
Phone size (505,320)

Properties

- Screen1
 - Label1
 - VerticalArrangement1
 - Label2
 - Angka_1
 - Angka_2
 - HorizontalArrangement1
 - Penjumlahan
 - Pengurangan
 - Perkalian
 - Pembagian
 - VerticalArrangement3
 - Label3
 - Hasil

HorizontalArrangement1

- AlignHorizontal: Center : 3
- AlignVertical: Top : 1
- BackgroundColor: Blue
- Height: 40 pixels...
- Width: Fill parent...
- Image: None...
- Visible: checked

Blocks

Tidak aman | ai2.appinventor.mit.edu/#6232112456663040

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tugas_32 Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks

Viewer

when Penjumlahan .Click
do set [Hasil Text] to (+ [Angka_1 Text] + [Angka_2 Text])

when Pengurangan .Click
do set [Hasil Text] to (- [Angka_1 Text] - [Angka_2 Text])

when Perkalian .Click
do set [Hasil Text] to (* [Angka_1 Text] * [Angka_2 Text])

when Pembagian .Click
do set [Hasil Text] to (/ [Angka_1 Text] / [Angka_2 Text])

Show Warnings

Control Logic Math Text Lists Dictionaries Colors Variables Procedures Screen1 Label1 VerticalArrangement1 Label2 Angka_1 Angka_2 HorizontalArrangement1

Rename Delete

```
when Penjumlahan .Click
do set [Hasil Text] to ( + [Angka_1 Text] + [Angka_2 Text])
when Pengurangan .Click
do set [Hasil Text] to ( - [Angka_1 Text] - [Angka_2 Text])
when Perkalian .Click
do set [Hasil Text] to ( * [Angka_1 Text] * [Angka_2 Text])
when Pembagian .Click
do set [Hasil Text] to ( / [Angka_1 Text] / [Angka_2 Text])
```



Pembagian

Perkalian



Pengurangan



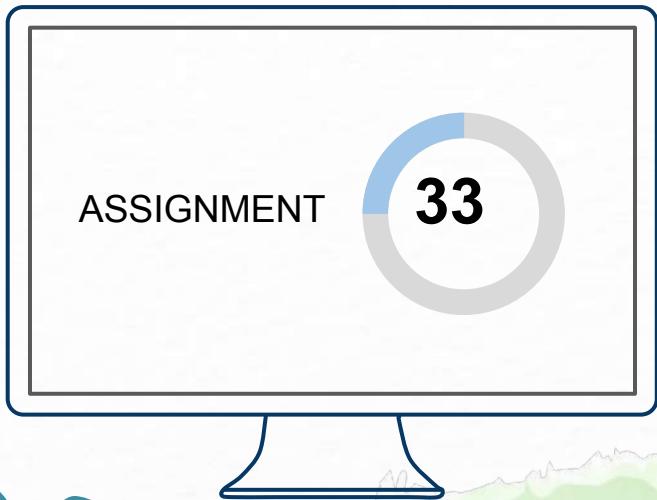
Penambahan



THANKS



A39 - AKBAR FADILA



Kampus
Merdeka
INDONESIA JAYA

Tugas



Mohon kerjakan Mini Task 1 - Mini Task 5,
sertakan evidence (skrinsut) pengeraannya



MySkill

MSIB

Kampus
Merdeka
EDUCATION

Mini Task 1

MIT App Inventor

Objektif

Sesuaikan tampilan app menjadi tampilan acuan berikut,
Center layout

Pra-Syarat

Memiliki akun MIT App Inventor



Mini Task 1

MIT App Inventor



Mini Task 2

MIT App Inventor

Objektif

Pindahkan ke Screen Registration, jika user klik tombol Register

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

open another screen screenName Screen1



MySkill

MSIA

Kampus
Merdeka
INDONESIA 4.0

Mini Task 3

MIT App Inventor



MySkill MSIB

Kampus
Merdeka

Objektif

Lakukan validasi password dan confirm password, jika sama, tampilkan "OK" pada lblDebug atau jika salah, tampilkan "Password not match"

Pra-Syarat

Memiliki akun MIT App Inventor

#RintikKarioImpian

Mini Task 4

MIT App Inventor

Objektif

Tampilkan stored username di lblDebug

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Get data di TinyDB saat Screen Initialize

when Screen1.Initialize

#ReDikKaitImpian

Mini Task 5

MIT App Inventor



MySkill MSIA



Objektif

*Autentikasi User berbasis User Input <-> User DB, Pass Input
<-> Pass DB, jika OK, pindah ke Blank Screen "Overview", jika
Error, lblDebug "Error"*

Pra-Syarat

Menyelesaikan Mini Task 4

Hint

Gunakan IF dan Open Another Screen

Designer Screen 1

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Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English fadilaakbar1508@gmail.com

MIT APP INVENTOR

SESI 33 AKBAR Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Palette Viewer Components Properties

Search Components...

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebViewer

Display hidden components in Viewer
Phone size (605,320)

Screen1

SMART HOME

USERNAME

PASSWORD

LOGIN

OR

REGISTER

Components:

- Screen1
- Label1
- Label2
- username
- Label3
- PasswordTextBox1
- Button_LOGIN
- Label4
- Button_Register
- Labeldebug
- TinyDB1

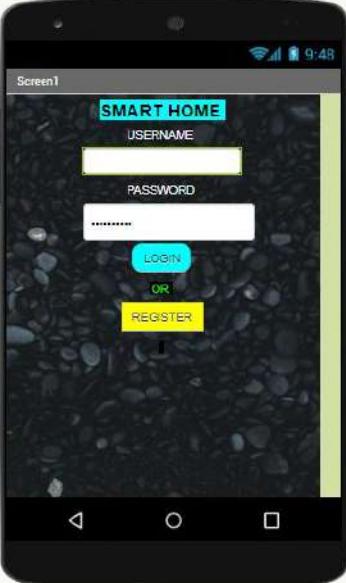
Properties:

username

BackgroundColor Default Enabled FontBold FontItalic FontSize 14.0 FontTypeface default... Height Automatic Width Automatic Hint Hint for TextBox1 MultiLine NumbersOnly ReadOnly Text

Media:

- bg.jpg
- bg2.jpg
- bg1.jpg
- bg3.jpg



Blocks Screen 1

A Tidak aman | ai2.appinventor.mit.edu/#5964089309134848

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MIT APP INVENTOR SESI_33_AKBAR Screen1 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen1

- Label1
- Label2
- username
- Label3
- PasswordTextBox1
- Button_LOGIN
- Label4

Rename Delete

Media

- bg.jpg
- bg2.jpg
- bg1.jpg
- bg3.jpg

Viewer

```
initialize global [username_input] to [“ ”]
initialize global [password_input] to [“ ”]
initialize global [username_stored] to [“ ”]
initialize global [password_stored] to [“ ”]

when [Button_LOGIN] .Click
do
set [global username_stored] to [call [TinyDB1] .GetValue]
tag [username]
valueIfTagNotThere [“ tidak ditemukan ”]
set [global password_stored] to [call [TinyDB1] .GetValue]
tag [password]
valueIfTagNotThere [“ tidak ditemukan ”]
set [global username_input] to [username] .Text
set [global password_input] to [PasswordTextBox1] .Text
if [get [global username_input] = get [global username_stored]] and [get [global password_input] = get [global password_stored]]
then
set [Labeldebug] .Text to [“ OK ”]
open another screen [screenName] [overview]
else
set [Labeldebug] .Text to [“ Error ! ”]
when [Button_Register] .Click
do
open another screen [screenName] [registration]
```

Designer REGISTRATION

← → C Tidak aman | ai2.appinventor.mit.edu/#5964089309134848

registration • Add Screen ... Remove Screen Publish to Gallery Designer Blocks

SES_33_AKBAR

Palette

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebViewer

Layout

Media

Drawing and Animation

Maps

Charts

Viewer

Display hidden components in Viewer

Phone size (505,320)

registration

REGISTRASI AKUN

Buat Username

Buat Password

Ulangi Password

SIMPAN

Kembali

Non-visible components

TinyDB1

Components

- registration
- Label1
- Label2
- buat_username_baru
- Label3
- PasswordTextBox1
- Label4
- PasswordTextBox2
- ButtonREG2
- HorizontalArrangement1
- Buttonback
- Labeldebug
- TinyDB1

Properties

Labeldebug

BackgroundColor

FontBold

FontItalic

FontSize

FontTypeface

HTMLFormat

HasMargins

Height

Width

Text

TextAlignment

TextColor

Visible

Rename Delete

Media

- bg.jpg
- bg2.jpg
- bg1.jpg
- bg3.jpg

Upload File ...

Blocks REGISTRATION

Tidak aman | ai2.appinventor.mit.edu/#5964089309134848

registration Add Screen... Remove Screen Publish to Gallery Designer Blocks

SESI_33_AKBAR

Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

registration

- Label1
- Label2
- buat_username_baru
- Label3
- PasswordTextBox1
- Label4

Viewer

```
initialize global [username_baru] to [ ]  
initialize global [passwordbaru] to [ ]  
initialize global [passwordkonfigurasi] to [ ]  
  
when [Buttonback] .Click  
do [open another screen screenName [Screen1]]  
  
when [ButtonREG2] .Click  
do [set global passwordbaru to [PasswordTextBox1] .Text]  
[set global passwordkonfigurasi to [PasswordTextBox2] .Text]  
[if [get global passwordbaru] = [get global passwordkonfigurasi]  
then [set [Labeldebug] .Text to [ok]]  
[call [TinyDB1] .StoreValue  
[tag [password]]  
[valueToStore [PasswordTextBox1] .Text]]  
[call [TinyDB1] .StoreValue  
[tag [username]]  
[valueToStore [buat_username_baru] .Text]]  
[open another screen screenName [Screen1]]  
[else [set [Labeldebug] .Text to [Password Not Match]]]
```

Show Warnings

Media

- bg.jpg
- bg2.jpg
- bg1.jpg
- bg3.jpg

Upload File ...

Designer Blocks

OVERVIEW

Tidak aman | ai2.appinventor.mit.edu/#5964089309134848

overview Add Screen... Remove Screen Publish to Galery Designer Blocks

SESI_33_AKBAR

Palette

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListView
- Netifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebView

Layout

Media

Drawing and Animation

Maps

Charts

Viewer

Display hidden components in Viewer
Phone size (505x320)

overview

ANDA BERHASIL LOGIN

Components

- overview
- Label1

Properties

Label

BackgroundColor

- Black

FontBold

-

FontItalic

-

FontSize

20

FontTypeface

default...

HTMLFormat

-

HasMargins

-

Height

Automatic...

Width

Automatic...

Text

ANDA BERHASIL LOGIN

Rename Delete

Media

- bg1.jpg
- bg2.jpg
- bg3.jpg
- bg4.jpg

Upload File ...

TextAlignment

left : 0

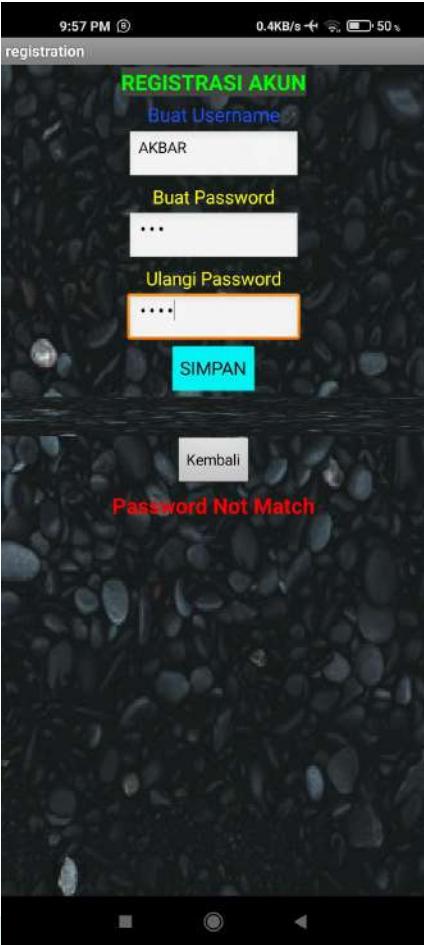
TextColor

Cyan

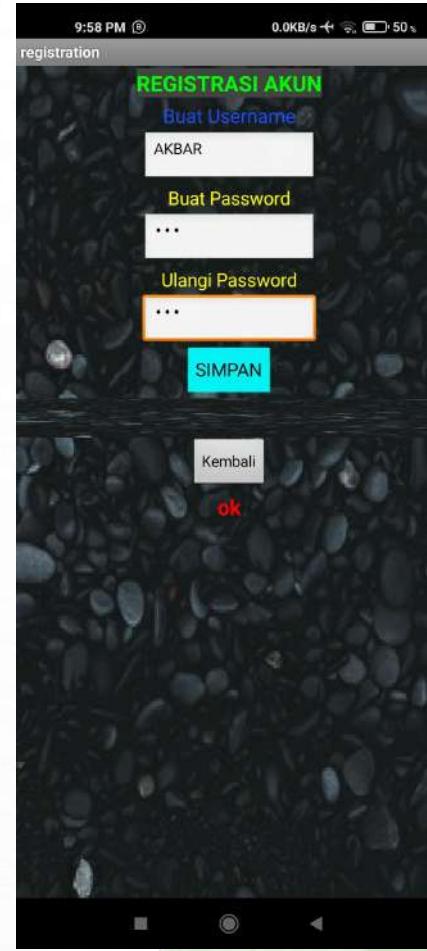
Visible

-

Hasil Ujicoba dengan Password Berbeda



Hasil Ujicoba dengan Password Sama



Registrasi

Hasil Ujicoba dengan Password Berbeda

9:58 PM 6.7KB/s 50%

Screen1

SMART HOME

USERNAME
AKBAR

PASSWORD
.....

LOGIN OR REGISTER

Error !

LOGIN

Hasil Ujicoba dengan Password Sama

9:58 PM 0.2KB/s 50%

Screen1

SMART HOME

USERNAME
AKBAR

PASSWORD
....

LOGIN OR REGISTER

ok

ANDA BERHASIL LOGIN

Overview

9:58 PM 0.2KB/s 50%

overview

ANDA BERHASIL LOGIN

**Dikarenakan Minitask 1-5 dilaksanakan secara
berurutan Pada sesi kelas Tutor, jadi saya membuat
Tugas ini Dengan menggabungkan nya**

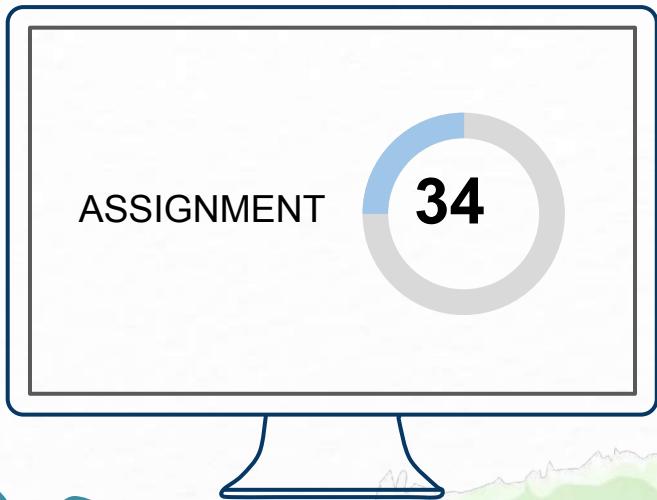
Gdrive APK

<https://drive.google.com/file/d/178zMI4NoRs389kDTXpTjiq7CHeycX3u8/view?usp=sharing>

THANKS



A39 - AKBAR FADILA



Tugas

- Mohon kerjakan Mini Task 1 - Mini Task 4, sertakan evidence (skrinsut) pengeraannya



MySkill **MSIB**

Kampus
Merdeka



Minitask 1

Mini Task 1

MIT App Inventor

Objektif

Parsing data JSON string title

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Sesuaikan Metode Praktikum 2 dan 3



MySkill

MSIB

Kampus
Merdeka

#RiniEkaLiaqian

Minitask 1 - DESIGNER

← → C ▲ Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

Sesi_34_AKBAR Screen1 - Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette

- Search Components...
- User Interface
- Layout
- Media
- Drawing and Animation
- Maps
- Charts
- Sensors
- Social
- Storage
- Connectivity
 - ActivityStarter
 - BluetoothClient
 - BluetoothServer
 - Serial
 - Web
- LEGO® MINDSTORMS®
- Experimental
- Extension

Viewer

Display hidden components in Viewer
Phone size (805x320)

Screen1

A39- AKBAR FADILA

Components

- Screen1
 - VerticalArrangement
 - Label1
 - lblRaw
 - lblParsed
 - Web1

Properties

Screen1

AboutScreen

AccentColor Default

AlignHorizontal Center : 3

AlignVertical Top : 1

AppName Sesi_34_AKBAR

BackgroundColor Default

BackgroundImage None...

BigDefaultText

BlocksToolkt All

CloseScreenAnimation Default

DefaultFileScope App

HighContrast

Icon None...

OpenScreenAnimation Default

Rename Delete

Media

Upload File...

Minitask 1 - BLOCKS

The screenshot shows the MIT App Inventor Blocks editor interface. The project is titled "Sesi_34_AKBAR". The code in the "Blocks" tab is as follows:

```
initialize global plain to {"title": "SI IoT by MySkill", "available": true}
initialize global jsonResponse to []

when Screen1.Initialize
do
    set lblRaw.Text to get global plain
    set global jsonResponse to call Web1.JsonTextDecodeWithDictionaries jsonText
    set lblParsed.Text to get value for key "title" in dictionary jsonResponse or if not found "not found"
```

The "Blocks" sidebar on the left lists categories like Built-in, Screen1, and Web1. The "Media" sidebar on the bottom left contains "Upload File ...". On the right side, there are icons for zooming and deleting blocks.

Minitask 1 - RESULT



Minitask 2

Mini Task 2

MIT App Inventor

Objektif

Parsing data JSON : id

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Refer Praktikum 2 dan 3



MySkill MSIB
Kampus Merdeka

```
{
  "$schema": "http://json-schema.org/draft-04/schema",
  "title": "Product",
  "description": "A product from Acme's catalog",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for a product",
      "type": "integer"
    },
    "name": {
      "description": "Name of the product",
      "type": "string"
    },
    "price": {
      "type": "number",
      "minimum": 0,
      "exclusiveMinimum": true
    }
  },
  "required": ["id", "name", "price"]
}
```

#RencanaImpian

Minitask 2 - DESIGNER

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Sesi_34_AKBAR

Screen1 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

Connectivity

ActivityStarter

BluetoothClient

BluetoothServer

Serial

Web

LEGO® MINDSTORMS®

Experimental

Extension

Viewer

Display hidden components in Viewer

Phone size (505,320)

Screen1

VerticalArrangement1

- Label1
- lblRaw
- lblParsed

Web1

Properties

AboutScreen

AccentColor Default

AlignHorizontal Center : 3

AlignVertical Top : 1

AppName Sesi_34_AKBAR

BackgroundColor Default

BackgroundImage None..

BigDefaultText

BlocksToolkit All

CloseScreenAnimation Default

DefaultfileScope App

HighContrast

Icon None..

The screenshot shows the MIT App Inventor Designer interface. The central area displays a smartphone screen with the title "Screen1" and the text "A39- AKBAR FADILA". The Designer tab is selected in the top right. The Components panel shows a "Screen1" component containing a "VerticalArrangement1" with three "Label" components. The Properties panel shows settings for "AboutScreen", "AccentColor", "AlignHorizontal", "AlignVertical", "AppName" set to "Sesi_34_AKBAR", "BackgroundColor", "BackgroundImage", "BigDefaultText", "BlocksToolkit", "CloseScreenAnimation", "DefaultfileScope", "HighContrast", and "Icon". The Palette on the left lists various component categories like User Interface, Layout, and Connectivity, with "Web" currently selected.

Minitask 2 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

MIT APP INVENTOR

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Sesi_34_AKBAR Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen1

- VerticalArrangement1
 - Label1
 - lblRaw
 - lblParsed
- Web1

Any component

initialize global plain to {"\$schema": "http://json-schema.org/draft-04/sc..."

initialize global responseJson to [red square]

when Screen1.Initialize

do

- set lblRaw Text to get global plain
- set global responseJson to call Web1.JsonTextDecodeWithDictionaries jsonText get global plain
- set lblParsed Text to get value for key "id" in dictionary
- get value for key "properties" in dictionary get global responseJson
- or if not found "not found"
- or if not found "not found"

Media

Upload File ...

Show Warnings

0 0

+

-

trash

Minitask 2 - RESULT



Minitask 3

Mini Task 3

MIT App Inventor

Objektif

Parsing data JSON : minimum

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Refer Praktikum 2 dan 3

#BintilKunciJepitan



MySkill

MSIB

Kampus
Merdeka
BERBELAJAR BERPENGARUH

```
{  
    "$schema": "http://json-schema.org/draft-04/schema#",  
    "title": "Product",  
    "description": "A product from Acme's catalog",  
    "type": "object",  
    "properties": {  
        "id": {  
            "description": "The unique identifier for a product",  
            "type": "integer"  
        },  
        "name": {  
            "description": "Name of the product",  
            "type": "string"  
        },  
        "price": {  
            "type": "number",  
            "minimum": 0,  
            "exclusiveMinimum": true  
        }  
}
```

Minitask 3 - DESIGNER

← → C ▲ Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

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MIT APP INVENTOR

Sesi_34_AKBAR Screen1 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette

- Search Components...
- User Interface
- Layout
- Media
- Drawing and Animation
- Maps
- Charts
- Sensors
- Social
- Storage
- Connectivity
 - ActivityStarter
 - BluetoothClient
 - BluetoothServer
 - Serial
 - Web
- LEGO® MINDSTORMS®
- Experimental
- Extension

Viewer

Display hidden components in Viewer
Phone size (505,320)

Screen1

A39-AKBAR FADILA

Components:

- Screen1
 - VerticalArrangement
 - Label1
 - lblRaw
 - lblParsed
 - Web1

Properties

Screen1

AboutScreen

AccentColor Default

AlignHorizontal Center .3 *

AlignVertical Top :1 *

AppName Sesi_34_AKBAR

BackgroundColor Default

BackgroundImage None...

BigDefaultText

BlocksToolkit All *

CloseScreenAnimation Default

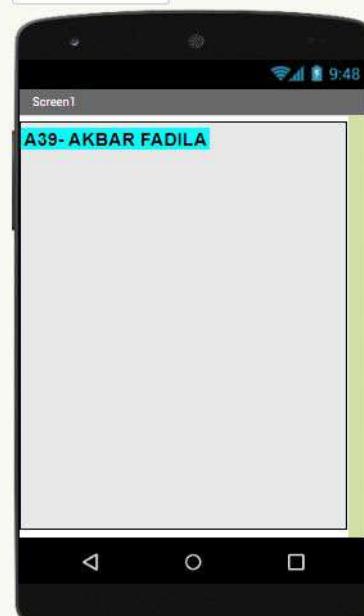
DefaultFileScope App

HighContrast

Icon None...

Rename Delete

Upload File ...



Minitask 3 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

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Sesi_34_AKBAR Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen1

- VerticalArrangement1
- Label1
- lblRaw
- lblParsed
- Web1

Any component

initialize global plain to { "\$schema": "http://json-schema.org/draft-04/sc..."

initialize global responseJson to []

when Screen1.Initialize

do

- set lblRaw Text to get global plain
- set global responseJson to call Web1.JsonTextDecodeWithDictionaries jsonText get global plain
- set lblParsed Text to get value for key "minimum" in dictionary
- get value for key "price" in dictionary
- get value for key "properties" in dictionary
- or if not found "not found"

or if not found "not found"

Rename Delete

Media

Upload File ...

Show Warnings

Blocks panel showing the code for the 'Initialize' event of 'Screen1'. The code uses the 'JsonTextDecodeWithDictionaries' block to parse JSON data from a web component 'Web1'. It then extracts specific values ('minimum', 'price', 'properties') and handles cases where keys are not found.



Minitask 3 – RESULT

8:14 PM ⑧ 0.3KB/s 97%

Screen1

A39- AKBAR FADILA

```
{"$schema": "http://json-schema.org/draft-04/schema#", "title": "Product", "description": "A product from Acme's catalog", "type": "object", "properties": { "id": { "description": "The unique identifier for a product", "type": "integer"}, "name": { "description": "Name of the product", "type": "string"}, "price": { "type": "number", "minimum": 0, "exclusiveMinimum": true }}, "required": ["id", "name", "price"]}
```

0

Minitask 4

Mini Task 4

MIT App Inventor

Objektif

Parsing data JSON : required

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Refer Praktikum 2 dan 3



MySkill

MSIB

Kampus
Merdeka

```
    {
      "$$schema": "http://json-schema.org/draft-04/schema#",
      "title": "Product",
      "description": "A product from Anna's catalog",
      "type": "object",
      "properties": {
        "id": {
          "description": "The unique identifier for a product",
          "type": "integer"
        },
        "name": {
          "description": "Name of the product",
          "type": "string"
        },
        "price": {
          "type": "number",
          "minimum": 0,
          "exclusiveMinimum": true
        }
      },
      "required": ["id", "name", "price"]
    }
```

Minitask 4 - DESIGNER

Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

Sesi_34_AKBAR

Screen1 - Add Screen... Remove Screen Publish to Gallery

Designer Blocks

Palette

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

Connectivity

- ActivityStarter
- BluetoothClient
- BluetoothServer
- Serial
- Web

LEGO® MINDSTORMS®

Experimental

Extension

Viewer

Display hidden components in Viewer

Phone size (505,320)

Screen1

VerticalArrangement1

- Label1
- lblRaw
- lblParsed
- Web1

Properties

Screen1

AboutScreen

AccentColor Default

AlignHorizontal Center : 3

AlignVertical Top : 1

AppName Sesi_34_AKBAR

BackgroundColor Default

BackgroundImage Normal

BigDefaultText

BlocksToolkit All

CloseScreenAnimation Default

DefaultFileScope App

HighContrast

Icon None

OpenScreenAnimation Default

Non-visible components

Web1

The screenshot shows the App Inventor Designer interface. On the left is the Palette with various component categories like User Interface, Layout, and Connectivity. Under Connectivity, 'Web' is selected. The center shows a virtual smartphone displaying the text 'A39-AKBAR FADILA'. The right side features the Components and Properties panes. The Components pane lists 'Screen1' which contains a 'VerticalArrangement1' with three labels ('Label1', 'lblRaw', 'lblParsed') and one 'Web1' component. The Properties pane provides settings for 'Screen1', including its name, accent color, alignment, app name, background color, and file scope. The bottom of the screen shows non-visible components and a specific component named 'Web1'.

Minitask 4 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

MIT APP INVENTOR

Projects Connect Build Settings Help My Projects View Trash Guide Report an issue English fedilaakbari608@gmail.com

Sesi_34_AKBAR Screen1 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Blocks Viewer

```
initialize global plain to ["$schema": "http://json-schema.org/draft-04/sc...", "type": "object", "properties": {"id": {"type": "string"}, "name": {"type": "string"}, "email": {"type": "string"}, "password": {"type": "string"}, "role": {"type": "string"}, "status": {"type": "string"}, "created_at": {"type": "string"}, "updated_at": {"type": "string"}}, "required": true, "additionalProperties": false]
initialize global responseJson to [ ]
```

when Screen1.Initialize

```
do set lblRaw Text to get global plain
set global responseJson to call Web1.JsonTextDecodeWithDictionaries jsonText get global plain
set lblParsed Text to get value for key "required" in dictionary get global responseJson
or if not found "not found"
```

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen1

- VerticalArrangement
- Label1
- lblRaw
- lblParsed
- Web1

Any component

Rename Delete

Media

Upload File...

Show Warnings

Privacy Policy and Terms of Use



Minitask 4 - RESULT



A screenshot of a smartphone displaying a JSON schema. The top status bar shows the time as 8:16 PM, signal strength, battery level at 96%, and a network speed of 8.1KB/s. Below the status bar, the screen has a dark header with the text "Screen1" and a teal header with the text "A39- AKBAR FADILA". The main content area contains a JSON object:

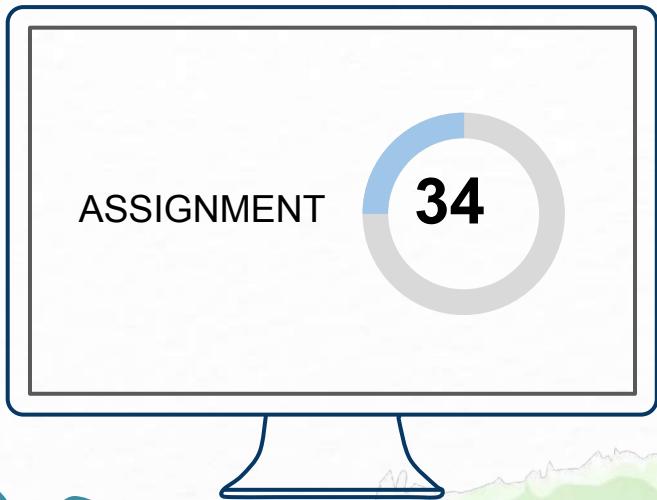
```
{"$schema": "http://json-schema.org/draft-04/schema#", "title": "Product", "description": "A product from Acme's catalog", "type": "object", "properties": { "id": { "description": "The unique identifier for a product", "type": "integer" }, "name": { "description": "Name of the product", "type": "string" }, "price": { "type": "number", "minimum": 0, "exclusiveMinimum": true } }, "required": ["id", "name", "price"] }
```

The bottom of the screen features a black navigation bar with three white icons: a square, a circle, and a triangle pointing left.

THANKS



A39 - AKBAR FADILA



Kampus
Merdeka
INDONESIA JAYA

Tugas

- Mohon kerjakan Mini Task 1 - Mini Task 4, sertakan evidence (skrinsut) pengeraannya



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Minitask 1

Mini Task 1

MIT App Inventor

Objektif

Parsing data JSON string title

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Sesuaikan Metode Praktikum 2 dan 3

#RiniEkaLiaqian

Minitask 1 - DESIGNER

← → C ▲ Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

Sesi_34_AKBAR Screen1 - Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

Connectivity

- ActivityStarter
- BluetoothClient
- BluetoothServer
- Serial
- Web

LEGO® MINDSTORMS®

Experimental

Extension

Viewer

Display hidden components in Viewer

Phone size (805x320)

Screen1

A39- AKBAR FADILA

Non-visible components

Components

- Screen1
 - VerticalArrangement
 - Label1
 - lblRaw
 - lblParsed
 - Web1

Rename Delete

Properties

Screen1

AboutScreen

AccentColor Default

AlignHorizontal Center : 3

AlignVertical Top : 1

AppName Sesi_34_AKBAR

BackgroundColor Default

BackgroundImage None...

BigDefaultText

BlocksToolkt All

CloseScreenAnimation Default

DefaultFileScope App

HighContrast

Icon None...

OpenScreenAnimation Default

Upload File

Minitask 1 - BLOCKS

The screenshot shows the MIT App Inventor Blocks editor interface. The project is titled "Sesi_34_AKBAR". The code in the "Blocks" tab is as follows:

```
initialize global plain to {"title": "SI IoT by MySkill", "available": true}
initialize global jsonResponse to []

when Screen1.Initialize
do
    set lblRaw.Text to get global plain
    set global jsonResponse to call Web1.JsonTextDecodeWithDictionaries jsonText
    set lblParsed.Text to get value for key "title" in dictionary jsonResponse or if not found "not found"
```

The "Blocks" sidebar on the left lists categories like Built-in, Screen1, and Web1. The "Media" sidebar on the bottom left contains "Upload File ...". On the right side, there are icons for zooming and deleting blocks.

Minitask 1 - RESULT



Minitask 2

Mini Task 2

MIT App Inventor

Objektif

Parsing data JSON : id

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Refer Praktikum 2 dan 3



MySkill MSIB
Kampus Merdeka

```
{
  "$schema": "http://json-schema.org/draft-04/schema",
  "title": "Product",
  "description": "A product from Acme's catalog",
  "type": "object",
  "properties": {
    "id": {
      "description": "The unique identifier for a product",
      "type": "integer"
    },
    "name": {
      "description": "Name of the product",
      "type": "string"
    },
    "price": {
      "type": "number",
      "minimum": 0,
      "exclusiveMinimum": true
    }
  },
  "required": ["id", "name", "price"]
}
```

#RencanaImpian

Minitask 2 - DESIGNER

MIT APP INVENTOR

Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

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Sesi_34_AKBAR Screen1 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

Connectivity

ActivityStarter

BluetoothClient

BluetoothServer

Serial

Web

LEGO® MINDSTORMS®

Experimental

Extension

Viewer

Display hidden components in Viewer

Phone size (505,320)

Screen1

VerticalArrangement1

- Label1
- lblRaw
- lblParsed

Web1

Properties

AboutScreen

AccentColor Default

AlignHorizontal Center : 3

AlignVertical Top : 1

AppName Sesi_34_AKBAR

BackgroundColor Default

BackgroundImage None..

BigDefaultText

BlocksToolkit All

CloseScreenAnimation Default

DefaultfileScope App

HighContrast

Icon None..

The screenshot shows the MIT App Inventor Designer environment. On the left, the Palette lists various component categories like User Interface, Layout, and Connectivity, with 'Web' currently selected. The Components panel on the right shows a hierarchical tree of components for 'Screen1': a 'VerticalArrangement1' container holding three 'Label' components and a 'Web1' component. The Properties panel provides detailed settings for 'Screen1', including its name ('AboutScreen'), background color ('Default'), and app name ('Sesi_34_AKBAR'). The central area displays a simulated smartphone screen with the text 'A39- AKBAR FADILA'.

Minitask 2 - BLOCKS

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Sesi_34_AKBAR Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen1

- VerticalArrangement1
 - Label1
 - lblRaw
 - lblParsed
- Web1

Any component

initialize global plain to {"\$schema": "http://json-schema.org/draft-04/sc..."

initialize global responseJson to [red square]

when Screen1.Initialize

do

- set lblRaw Text to get global plain
- set global responseJson to call Web1.JsonTextDecodeWithDictionaries jsonText get global plain
- set lblParsed Text to get value for key "id" in dictionary
- get value for key "properties" in dictionary get global responseJson
- or if not found "not found"
- or if not found "not found"

Media

Upload File ...

Show Warnings

0 0

+

-

trash

Minitask 2 - RESULT



Minitask 3

Mini Task 3

MIT App Inventor

Objektif

Parsing data JSON : minimum

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Refer Praktikum 2 dan 3

#BintilKunciJepitan



MySkill

MSIB

Kampus
Merdeka
BERBELAJAR BERPENGARUH

```
{  
    "$schema": "http://json-schema.org/draft-04/schema#",  
    "title": "Product",  
    "description": "A product from Acme's catalog",  
    "type": "object",  
    "properties": {  
        "id": {  
            "description": "The unique identifier for a product",  
            "type": "integer"  
        },  
        "name": {  
            "description": "Name of the product",  
            "type": "string"  
        },  
        "price": {  
            "type": "number",  
            "minimum": 0,  
            "exclusiveMinimum": true  
        }  
}
```

Minitask 3 - DESIGNER

← → C ▲ Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

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MIT APP INVENTOR

Sesi_34_AKBAR Screen1 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette

- Search Components...
- User Interface
- Layout
- Media
- Drawing and Animation
- Maps
- Charts
- Sensors
- Social
- Storage
- Connectivity
- ActivityStarter
- BluetoothClient
- BluetoothServer
- Serial
- Web
- LEGO® MINDSTORMS®
- Experimental
- Extension

Viewer

Display hidden components in Viewer
Phone size (505,320)

Screen1

A39-AKBAR FADILA

Components:

- Screen1
 - VerticalArrangement
 - Label1
 - lblRaw
 - lblParsed
 - Web1

Properties:

- Screen1
 - AboutScreen
 - AccentColor Default
 - AlignHorizontal Center .3 *
 - AlignVertical Top :1 *
 - AppName Sesi_34_AKBAR
 - BackgroundColor Default
 - BackgroundImage None...
 - BigDefaultText
 - BlocksToolkit All *
 - CloseScreenAnimation Default
 - DefaultFileScope App
 - HighContrast
 - Icon None...

Minitask 3 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English fadiaakbar1608@gmail.com

Sesi_34_AKBAR Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen1

- VerticalArrangement1
- Label1
- lblRaw
- lblParsed
- Web1

Any component

Rename Delete

Media

Upload File ... Show Warnings

Viewer

```
initialize global plain to {"$schema": "http://json-schema.org/draft-04/sc..."}
initialize global responseJson to []

when Screen1 .Initialize
do
  set lblRaw Text to get global plain
  set global responseJson to call Web1 .JsonTextDecodeWithDictionaries
    jsonText get global plain
  set lblParsed Text to get value for key "minimum" in dictionary
    get value for key "price" in dictionary
      get value for key "properties" in dictionary
        or if not found "not found"
      or if not found "not found"
    or if not found "not found"
```



Minitask 3 – RESULT

8:14 PM ⑧ 0.3KB/s 97%

Screen1

A39- AKBAR FADILA

```
{"$schema": "http://json-schema.org/draft-04/schema#", "title": "Product", "description": "A product from Acme's catalog", "type": "object", "properties": { "id": { "description": "The unique identifier for a product", "type": "integer"}, "name": { "description": "Name of the product", "type": "string"}, "price": { "type": "number", "minimum": 0, "exclusiveMinimum": true }}, "required": ["id", "name", "price"]}
```

0

Minitask 4

Mini Task 4

MIT App Inventor

Objektif

Parsing data JSON : required

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Refer Praktikum 2 dan 3



MySkill

MSIB

Kampus
Merdeka

```
    {
      "$$schema": "http://json-schema.org/draft-04/schema#",
      "title": "Product",
      "description": "A product from Anna's catalog",
      "type": "object",
      "properties": {
        "id": {
          "description": "The unique identifier for a product",
          "type": "integer"
        },
        "name": {
          "description": "Name of the product",
          "type": "string"
        },
        "price": {
          "type": "number",
          "minimum": 0,
          "exclusiveMinimum": true
        }
      },
      "required": ["id", "name", "price"]
    }
```

Minitask 4 - DESIGNER

Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

Sesi_34_AKBAR

Screen1 - Add Screen... Remove Screen Publish to Gallery

Designer Blocks

Palette

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

Connectivity

- ActivityStarter
- BluetoothClient
- BluetoothServer
- Serial
- Web

LEGO® MINDSTORMS®

Experimental

Extension

Viewer

Display hidden components in Viewer

Phone size (505,320)

Screen1

VerticalArrangement1

- Label1
- lblRaw
- lblParsed
- Web1

Components

Properties

Screen1

AboutScreen

AccentColor Default

AlignHorizontal Center : 3

AlignVertical Top : 1

AppName Sesi_34_AKBAR

BackgroundColor Default

BackgroundImage Normal

BigDefaultText

BlocksToolkit All

CloseScreenAnimation Default

DefaultFileScope App

HighContrast

Icon None

OpenScreenAnimation Default

Non-visible components

Web1

The screenshot shows the App Inventor Designer interface. On the left is the Palette with various component categories like User Interface, Layout, Media, etc., and specific components like ActivityStarter, BluetoothClient, etc. A 'Web' component is currently selected. The main area shows a smartphone screen with the text 'A39-AKBAR FADILA'. The component tree on the right shows 'Screen1' containing a 'VerticalArrangement1' which includes 'Label1', 'lblRaw', 'lblParsed', and 'Web1'. The properties panel on the far right shows settings for 'Screen1' such as AccentColor (Default), AlignHorizontal (Center : 3), AlignVertical (Top : 1), AppName (Sesi_34_AKBAR), and BackgroundImage (Normal). Other tabs like Media, Icons, and Animations are also visible.

Minitask 4 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5931504533110784

MIT APP INVENTOR

Projects Connect Build Settings Help My Projects View Trash Guide Report an issue English fedilaakbari608@gmail.com

Sesi_34_AKBAR Screen1 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Blocks Viewer

```
initialize global plain to ["$schema": "http://json-schema.org/draft-04/sc...", "type": "object", "properties": {"id": {"type": "string"}, "name": {"type": "string"}, "email": {"type": "string"}, "password": {"type": "string"}, "role": {"type": "string"}, "status": {"type": "string"}, "created_at": {"type": "string"}, "updated_at": {"type": "string"}}, "required": true, "additionalProperties": false]
initialize global responseJson to [ ]
```

when Screen1.Initialize

```
do set lblRaw Text to get global plain
set global responseJson to call Web1.JsonTextDecodeWithDictionaries jsonText get global plain
set lblParsed Text to get value for key "required" in dictionary get global responseJson
or if not found "not found"
```

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen1

- VerticalArrangement
- Label1
- lblRaw
- lblParsed
- Web1

Any component

Rename Delete

Media

Upload File...

Show Warnings

Privacy Policy and Terms of Use



Minitask 4 - RESULT



A screenshot of a smartphone displaying a JSON schema. The top status bar shows the time as 8:16 PM, signal strength, battery level at 96%, and a network speed of 8.1KB/s. Below the status bar, the screen has a dark header with the text "Screen1" and a teal header with the text "A39- AKBAR FADILA". The main content area contains a JSON object:

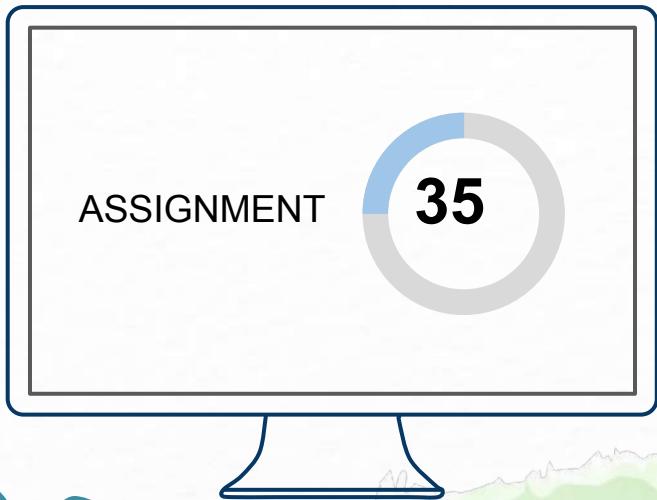
```
{"$schema": "http://json-schema.org/draft-04/schema#", "title": "Product", "description": "A product from Acme's catalog", "type": "object", "properties": { "id": { "description": "The unique identifier for a product", "type": "integer" }, "name": { "description": "Name of the product", "type": "string" }, "price": { "type": "number", "minimum": 0, "exclusiveMinimum": true } }, "required": ["id", "name", "price"] }
```

The bottom of the screen features a black navigation bar with three white icons: a square, a circle, and a triangle pointing left.

THANKS



A39 - AKBAR FADILA



Tugas

- Mohon kerjakan Mini Task 1 - Mini Task 3, sertakan evidence (skrinsut) penggerjaannya



MySkill MSIB

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Minitask 1

Mini Task 1

MIT App Inventor

Objektif

Parsing data JSON string title berikut

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Sesuaikan Metode dengan Sesi 34



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BERPRESTASI

Minitask 1 - DESIGNER



Tidak aman | ai2.appinventor.mit.edu/#5609880738988032

Sesi_35_AKBAR

Screen1 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebViewer

Components

- Screen1
- Label1
- Label2
- LBLRAW
- LBLPARSED
- NEXT
- Web1

Properties

Screen1

AboutScreen

AccentColor Default

AlignHorizontal Center : 3

AlignVertical Top : 1

AppName Sesi_35_AKBAR

BackgroundColor Default

BackgroundImage None...

BigDefaultText

BlocksToolkit All

CloseScreenAnimation Default

DefaultFileScope App

HighContrast

Icon None...

OpenScreenAnimation Default

Non-visible components

Web1

Viewer

Display hidden components in Viewer

Phone size (505,320)

Mini Task 1

A39 - AKBAR FADILA

NEXT

Minitask 1 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5609880738988032

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Sesi_35_AKBAR Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - Label1
 - Label2
 - LBLRAW
 - LBLPARED
 - NEXT
 - Web1
- Any component

Viewer

The code uses the Web1 component to decode JSON data. It initializes global variables for titles, data movies, and response content. It then processes the JSON data to extract movie titles and store them in the data movies list. Finally, it displays the titles in a label.

```
set global jsonResponse to call Web1.JsonTextDecodeWithDictionaries jsonText get global responseContent
set global titles to create empty list
set global datamovies to look up in pairs key "movies" pairs get global jsonResponse notFound "not found"
for each item in list get global datamovies
do add items to list list get global titles item get value for key "title" in dictionary get item or if not found "not found"
set LBLPARED Text to get global titles
when NEXT.Click do open another screen screenName Minitask_2_Akbar
when Screen1.Initialize do set LBLRAW Text to get global responseContent
```



Minitask 1 - RESULT

9:15 PM

12.2KB/s 45%

Mini Task 1

A39 - AKBAR FADILA

```
{"movies": [ { "userId": 1, "id": 1, "title": "ironman", "body": "quia et  
suscipit  
suscipit recusandae consequuntur expedita et cum  
reprehenderit molestiae ut ut quas totam  
nostrum rerum est autem sunt rem eveniet architecto' },  
{ "userId": 1, "id": 2, "title": "antman", "body": 'est rerum tempore  
vitae  
sequi sint nihil reprehenderit dolor beatae ea dolores neque  
fugiat blanditiis voluptate porro vel nihil molestiae ut reiciendis  
qui aperiam non debitis possimus qui neque nisi nulla' },  
{ "userId": 1, "id": 3, "title": "batman", "body": "et iusto sed quo iure  
voluptatem occaecati omnis eligendi aut ad  
voluptatem doloribus vel accusantium quis pariatur  
molestiae porro eius odio et labore et velit aut" } ] }
```

NEXT



Minitask 2

Mini Task 2

MIT App Inventor

Objektif

Parsing data JSON string title pada respon praktikum 2

Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Sesuaikan Metode dengan Sesi 34 & Praktikum 1

Sesi 35



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Minitask 2 - DESIGNER

Tidak aman | ai2.appinventor.mit.edu/#5609880738988032

Sesi_35_AKBAR Minitask_2_Akbar Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebViewer

Layout

Media

Drawing and Animation

Maps

Charts

Viewer

Display hidden components in Viewer

Phone size (505,320)

Mini Task 2

A39 - AKBAR FADILA

GET DATA API

NEXT

BACK

Non-visible components

Web1

Components

- Minitask_2_Akbar
 - Label1
 - Label2
 - GET_DATA_API
 - LBLRESPONSE
 - LBLPARSED
 - NEXT2
 - BACK
 - Web1

Properties

Minitask_2_Akbar

AboutScreen

AlignHorizontal Center : 3

AlignVertical Top : 1

BackgroundColor Default

BackgroundImage None...

BigDefaultText

CloseScreenAnimation Default

HighContrast

OpenScreenAnimation Default

ScreenOrientation Unspecified

Scrollable

ShowStatusBar

Title Mini Task 2

TitleVisible

Minitask 2 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5609880738988032

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Sesi_35_AKBAR Minitask_2_Akbar Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Minitask_2_Akbar
 - Label1
 - Label2
 - GET_DATA_API
 - LBLRESPONSE
 - LBLPARSED
 - NEXT2
 - BACK

Viewer

```
initialize global jsonResponse to []
initialize global title to [create empty list]

when [GET_DATA_API] .Click
do
  set [Web1] .Url to "https://jsonplaceholder.typicode.com/posts"
  call [Web1] .Get

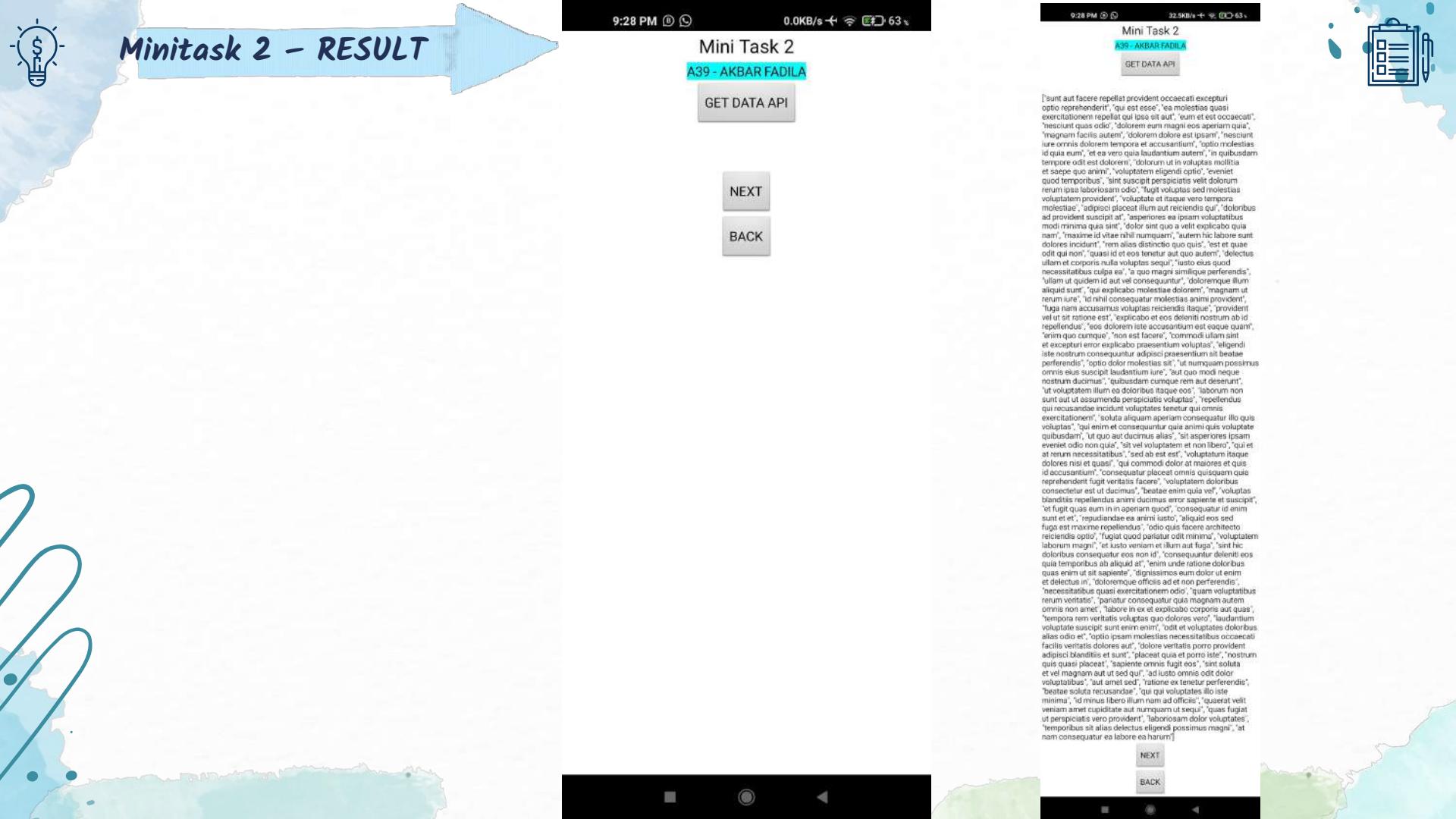
when [Web1] .GoText
do
  set [global jsonResponse] to [call [Web1] .JsonTextDecodeWithDictionaries]
  set [global title] to [create empty list]
  for each [item] in [list]
    get [global jsonResponse]
    do
      [add items to list] [list] [get [global title]]
      item [get value for key] "title"
      in dictionary [get item]
      or if not found "not found"
  set [LBLPARSED] .Text to [get [global title]]

when [BACK] .Click
do
  open another screen screenName Screen1

when [NEXT2] .Click
do
  open another screen screenName Minitask_3_Akbar
```

Show Warnings

The screenshot shows the MIT App Inventor interface with a project titled 'Sesi_35_AKBAR'. The 'Blocks' panel on the left lists categories like Built-in, Control, Logic, etc., and a specific procedure named 'Minitask_2_Akbar' containing blocks for labels, web requests, and lists. The 'Viewer' panel on the right displays the visual representation of these blocks, including a 'when GET_DATA_API Click' event that sends a GET request to a JSON placeholder API and processes the response to update a list variable. It also includes controls for navigating between screens ('BACK', 'NEXT2') and a 'Show Warnings' button.



Minitask 2 - RESULT

9:28 PM

0.0KB/s 63%

Mini Task 2

A39 - AKBAR FADILA

GET DATA API

NEXT

BACK

9:28 PM

32.9KB/s 63%

Mini Task 2

A39 - AKBAR FADILA

GET DATA API

[sunt aut facere repellat occident occidat exceptio
optio comprehendit", "qui est esse", "is mecumque ipsa
exercitationem repellat qui ipsa est aut", "nam et est occidat
"hescant quas odit", "dolorum eum magnis aperam quis",
"magnum facili autem", "dolorum dolore est ipsam", "hescant
lure omnis dolorem tempora et accusantium", "optio molestias
id quia num", "et ea vero quia laudantium autem", "in quibusdam
tempore est id dolorem", "dolorum ut in voluptas molitis
et saepe quo amittit", "et optio ut in voluptate optio", "enim
quod est ut in voluptate", "est optio ut in voluptate ut in column
renum (saepe laboriosam edo)", "fugit voluptas sed molestias
voluntatem provident", "voluptate et itaque vero tempora
molestiae", "adipisci placeat illum aut reiciendis qui", "doloribus
ad provident suspect at", "asperiores ea ipsam voluptatis
modi minima qua sint", "dolor sint quo a velit explicabo qua
nam", "maxime id vitae nihil numquam", "autem hic labore sunt
dolores incident", "tem alias distinctio quo quis", "est et que
voluntate ut in voluptate", "et fugit voluptas ut in voluptate ut in
reperiendus", "et fugit dolorem est accusantium est earum quia",
"enim que cumque", "non est facere", "commodi ullam nraet
et excepturi error explicabo praesentium voluptas", "eligendi
iste nostrum consequuntur adipisci praesentium sit bestiae
perferendis", "optio dolis molestias sit", "ut numquam possimus
omnis eius suspicere laudantium lure", "sunt quo modi neque
recepimus illum ut in voluptate", "et cum aut deserunt",
"ut voluptatem illum ut doloribus laqueo et invenimus non
sunt aut ut assumenda perspicacit voluptas", "repellendus
qui recusandae incident voluptates tenetur qui omnis
exercitationem", "soluta aliquam aperiam consequatur illo quis
voluptas", "qui enim et consequuntur quia animi quis voluptate
quibusdam", "ut quo aut ducimus alias", "sit asperiores ipsam
eveniet odio non quis", "sit vel voluptatis et non libero", "qui et
ar reperiendus et fugit voluptas ut in voluptate", "velit explicabo
doleres nisi et quia", "qui commodi dolorum meiores et
id accusantium", "consequatur placeat omni quisquam quia
reprehenderit fugit veritatis facere", "voluptatem doloribus
consecetur est ut ducimus", "beatiae enim quia vel", "voluptas
blanctis repellendus animi ducimus error sapiente et suspecti",
"et fugit quas eum in aperiam quod", "consequatur id enim
sunt et et", "repudiandis et arripi et aliquid eos sed
fugit voluptas ut in voluptate", "et fugit voluptas ut in voluptate
reverendis optio", "fugit quod parvuli olli minima", "voluptatem
laborem magni", "et iusta veniam et illum aut fugit", "sunt hic
doloribus consequatur eos non id", "consequuntur diligenter eos
qua temporibus ab aliquo at", "enim unde ratione doloribus
qua enim ut sit sapiente", "dignissimos eum dolor ut enim
et electus in", "dolorisque officia ad et non perferendis",
"et fugit voluptas ut in voluptate", "et fugit voluptas ut in voluptate
renum ventane", "ponatur consequatur quia magnam adiem
omnis non amet", "tabere in ex et explicabo corporis aut quis",
"tempora rem veritatis voluptas quo dolores vero", "laudantium
voluptate suspect sunt enim enim", "odit et voluptates doloribus
alias odio et", "optio ipsam molestias necessitatibus occaecati
facili veritatis dolores aut", "dolore veritatis porro provident
adipisci blanditiis et sunt", "placeat quia et pono iste", "nostrum
quis quasi placeat", "suscipiente omnis fugit eos", "sint soluta
et velit explicabo et fugit voluptas ut in voluptate", "et fugit
voluntas", "aut amet sed", "ratione ex tenetur perferendis",
"beatiae soluta recusandae", "qui qui voluptates illo iste
minima", "id minus libero illum nam ad officia", "querat velit
veniam amet cupiditate aut numquam ut sequi", "quas fugit
ut perspicacit vero providerit", "tabernacum dolor voluptates",
"temporibus sit alias delectus eligendi possimus magni", "at
nam consequatur es labore es harum]

NEXT

BACK

Minitask 3

Mini Task 3

MIT App Inventor

Objektif

Menampilkan List Data Mini Task 2 pada List View

Pra-Syarat

Menyelesaikan Mini Task 2

Hint

Sesuaikan Metode dengan Sesi 34 & Praktikum 1

Sesi 35 & Mini Task 2 Sesi 35



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Merdeka



Minitask 3 - DESIGNER

Tidak aman | ai2.appinventor.mit.edu/#5609880738988032

Search Components...

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebViewer

Layout

Media

Drawing and Animation

Maps

Display hidden components in Viewer

Phone size (505,320)

Mini Task 3

A39 - AKBAR FADILA

LIST

BACK

Non-visible components

Label1

BackgroundColor

None

FontBold

FontItalic

FontSize

20

FontTypeface

default...

HTMLFormat

HasMargins

Height

Automatic...

Width

Automatic...

Rename Delete

Media

Upload File...

Web1

Minitask_3_Akbar

Label1

Label2

LIST

ListView1

BACK3

Web1

Minitask 3 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5609880738988032

MIT APP INVENTOR

Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English fadilaakbar1608@gmail.com

Sesi_35_AKBAR Minitask_3_Akbar Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks

Viewer

```
when LIST .Click
do set [Web1 .Url] to "https://jsonplaceholder.typicode.com/posts"
call [Web1 .Get]

when Web1 .GotText
url responseCode responseType responseContent
do set [global json] to call [Web1 .JsonTextDecodeWithDictionaries]
jsonText get responseContent

set [global title] to create empty list
for each item in list get [global json]
do add items to list list get [global title]
item get value for key "title" in dictionary get [item]
or if not found "not found"

when BACK3 .Click
do open another screen screenName Minitask_2_Akbar

when ListView1 .ElementSelected
do set [ListView1 .Elements] to get [global title]
Show Warnings
```

initialize global json to create empty list
initialize global title to create empty list

when LIST .Click
do set [Web1 .Url] to "https://jsonplaceholder.typicode.com/posts"
call [Web1 .Get]

when Web1 .GotText
url responseCode responseType responseContent
do set [global json] to call [Web1 .JsonTextDecodeWithDictionaries]
jsonText get responseContent

set [global title] to create empty list
for each item in list get [global json]
do add items to list list get [global title]
item get value for key "title" in dictionary get [item]
or if not found "not found"

when BACK3 .Click
do open another screen screenName Minitask_2_Akbar

when ListView1 .ElementSelected
do set [ListView1 .Elements] to get [global title]

Show Warnings

Designer Blocks

Control Logic Math Text Lists Dictionaries Colors Variables Procedures

Minitask_3_Akbar

Label1 Label2 LIST ListView1 BACK3 Web1

Rename Delete

9:15 PM ⓘ 2.9KB/s ⌂ 46%

Mini Task 3
A39 - AKBAR FADILA

LIST
BACK

9:16 PM ⓘ 0.4KB/s ⌂ 47%

Mini Task 3
A39 - AKBAR FADILA

LIST

sunt aut facere repellat provident
occaecati excepturi optio reprehenderit
qui est esse
ea molestias quasi exercitationem
repellat qui ipsa sit aut
eum et est occaecati
nesciunt quas odio
dolorem eum magni eos aperiam quia
magnam facilis autem
dolorem dolore est ipsam
nesciunt iure omnis dolorem tempora
et accusantium
optio molestias id quia eum
et ea vero quia laudantium autem
in quibusdam tempore odit est dolorem
dolorum ut in voluptas mollitia et
saepe quo animi

9:35 PM ⓘ 0.0KB/s ⌂ 72%

Mini Task 3
A39 - AKBAR FADILA

LIST

nostrum quis quasi placeat
sapiente omnis fugit eos
sint soluta et vel magnam aut ut sed
qui
ad iusto omnis odit dolor voluptatibus
aut amet sed
ratione ex tenetur perferendis
beatae soluta recusandae
qui qui voluptates illo iste minima
id minus libero illum nam ad officiis
quaerat velit veniam amet cupiditate
aut numquam ut sequi
quas fugiat ut perspiciatis vero
provident
laboriosam dolor voluptates
temporibus sit alias delectus eligendi
possimus magni
at nam consequatur ea labore ea
harum

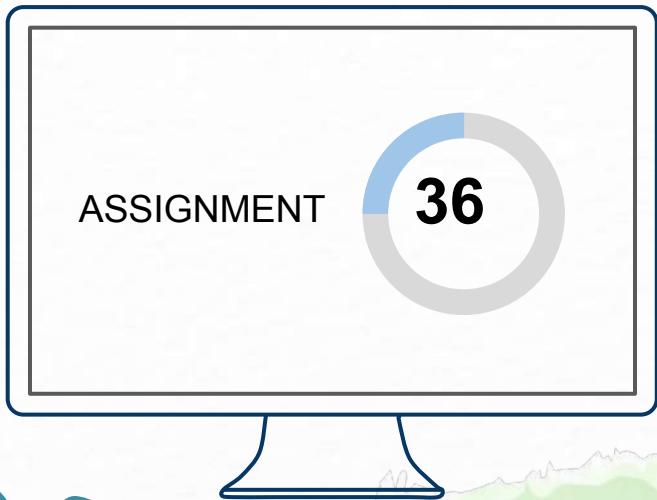
BACK

Minitask 3 - RESULT

THANKS



A39 - AKBAR FADILA



Tugas

- Mohon kerjakan Mini Task 1 - Mini Task 2
sertakan evidence (skrinsut) pengerjaannya



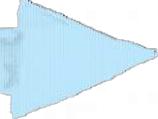
MySkill

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MANAJEMEN SISTEM INFORMASI BISNIS

Kampus
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INDONESIA JAYA



Buat Customer Baru



thingsboard.cloud/customers/all

Customers > All

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Akbar Fadila Tenant administrator

All Groups Hierarchy

Customers Include customer entities

<input type="checkbox"/>	Created time	Title	Email	Country	City	Parent customer name	Groups
<input type="checkbox"/>	2023-05-26 01:29:40	AKBAR 2					       
<input type="checkbox"/>	2023-05-26 01:26:22	AKBAR	akbarrfadila@gmail.com	Indonesia	JAKARTA		       

Items per page: 10 1 - 2 of 2

Buat Customer Devices Baru

thingsboard.cloud/customers/all/a676ae20-fb29-11ed-8f1a-691306f4897e/entities/devices/all

Customers > All > AKBAR: Devices > All

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Akbar Fadila Tenant administrator

All Groups

AKBAR: Devices Device Filter Include sub-customer entities

<input type="checkbox"/> Created time	Name	Device profile	Label	State	Sub-customer name	Groups	Is gateway		
2023-05-26 22:30:31	sensor-soil	default	sensor-soil	Inactive			<input type="checkbox"/>		
2023-05-26 22:30:13	sensor-environment	default	sensor-environment	Inactive			<input type="checkbox"/>		

Items per page: 10 1 - 2 of 2

Postman Setting

The screenshot shows the Postman application interface. On the left, the sidebar displays 'My Workspace' with collections like 'MYSKILL' and environments. The main area shows a 'GET New Request' for the URL `https://thingsboard.cloud/api/customer/a676ae20-fb29-11ed-8f1a-691306f4897e/devices?pageSize=11`. The 'Headers' tab is selected, showing a single header 'X-Authorization' with the value 'Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWl.... The 'Body' tab displays a JSON response with the key 'data' containing device information. The status bar at the bottom indicates a 200 OK response with 801 ms and 1.85 KB.

My Workspace

New Import

Overview MYSKILL GET New Request

Save Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Headers 6 hidden

Key	Value	Description	Bulk Edit	Presets
X-Authorization	Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWl...			
Key	Value	Description		

Pretty Raw Preview Visualize JSON

Body Cookies Headers (11) Test Results

200 OK 801 ms 1.85 KB Save as Example

```
1 "data": [2   {3     "id": {4       "entityType": "DEVICE",5       "id": "3565a6d0-fbda-11ed-af36-7303d58a5466"7     },8     "createdTime": 1685115013665,9     "additionalInfo": {10       "": ""11     }12   }13 ]14 }
```

Online Find and replace Console

Runner Capture requests Cookies Trash

Minitask 1



Mini Task 1

MIT App Inventor



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merdeka.com

Objektif

Implementasi sapaan Hi user pada Page Overview

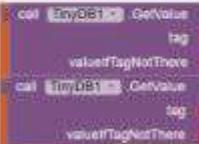
Pra-Syarat

Memiliki akun MIT App Inventor

Hint

Sesuaikan Metode dengan Sesi 33

#RintikKarinImpian



Minitask 1 - DESIGNER

← → ⌂ A Tidak aman | ai2.appinventor.mit.edu/#5964089309134848

MIT APP INVENTOR Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English fadilaakbar1608@gmail.com

SESI_33_AKBAR overview Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette Search Components... User Interface Layout Media Drawing and Animation Maps Charts Sensors Social Storage CloudDB DataFile File Spreadsheet TinyDB TinyWebDB Connectivity LEGO® MINDSTORMS® Experimental Extension

Viewer Display hidden components in Viewer Phone size (605,320)

Components overview HorizontalArrangement1 Label1 btnOverview2 TinyDB1

Properties overview AboutScreen AlignHorizontal Left: 1 AlignVertical Top: 1 BackgroundColor Default BackgroundImage bg1.jpg BigDefaultText CloseScreenAnimation Default HighContrast OpenScreenAnimation Default ScreenOrientation Unspecified Scrolling ShowStatusBar Title overview

Media bg.jpg bg1.jpg bg2.jpg bg3.jpg

Use visible components



Minitask 1 - BLOCKS

The screenshot shows the MIT App Inventor web-based development environment. At the top, there's a navigation bar with links like 'Projects', 'Connect', 'Build', 'Settings', 'Help', 'My Projects', 'View Trash', 'Guide', 'Report an Issue', 'English', and an account dropdown for 'fadilaakbar1608@gmail.com'. Below the navigation is a toolbar with buttons for 'overview', 'Add Screen...', 'Remove Screen', and 'Publish to Gallery'. The main area is titled 'SESI_33_AKBAR' and has tabs for 'Designer' and 'Blocks'. On the left, a 'Blocks' sidebar lists categories: Built-in (Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures), overview (HorizontalArrangement1, Label1, btnOverview2, TinyDB1), and Any component. A 'Media' sidebar lists files: bg.jpg, bg1.jpg, bg2.jpg, bg3.jpg. The central 'Viewer' pane displays two blocks of code:

```
when overview.Initialize
do set Label1.Text to join ("HALO", call TinyDB1.GetValue("username"))
    valueIfTagNotThere ("tidak ditemukan")
```

```
when btnOverview2.Click
do open another screen screenName Screen2
```

At the bottom of the viewer, there are warning icons (yellow triangle, red circle) and a 'Show Warnings' button. To the right of the viewer are three circular buttons with symbols: a target, a plus, and a minus, and a trash can icon.

Minitask 1 - RESULT



Minitask 2



Mini Task 2

MIT App Inventor

Objektif

Hitung Jumlah Device yang Customer ID
Anda miliki, Parsing JSON totalElements
dan tampilkan ke Button

Pra-Syarat

Memiliki devices di akun Thingsboard

Hint

Gunakan skill parsing json



#RantikanImpian

Minitask 2 - DESIGNER

Tidak aman | ai2.appinventor.mit.edu/#5964089309134848

Projects Connect Build Settings Help My Projects View Track Guide Report an Issue English fadilaakbar1608@gmail.com

SESI_33_AKBAR Screen2 Add Screen Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebView

Layout

Media

Drawing and Animation

Viewer

Display hidden components in Viewer

Phone size (505x320)

Components

- Screen2
 - helloo
 - Buttondevices
 - Web1
 - TinyDB1

Properties

helloo

BackgroundColor Black

FontBold

FontItalic

FontSize 20

FontTypeface default...

HTMLFormat

HasMargins

Height Automatic...

Width Automatic...

Text

TextAlignment left : +

TextColor Cyan

Visible

Rename Delete

Media

- bg.jpg
- bg1.jpg
- bg2.jpg
- bg3.jpg

Minitask 2 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5964089309134848

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MIT APP INVENTOR

SESI_33_AKBAR Screen2 Add Screen... Remove Screen Publish to Gallery Designer Blocks

Blocks Viewer

when Screen2.Initialize do set Web1. Url to get global url
set Web1. RequestHeaders to get global headers
call Web1.Get

when Web1.GotText
do set global jsonResponse to call Web1.JsonTextDecodeWithDictionaries
set Buttondevices.Text to join "Jumlah devices" get value for key "totalElements" in dictionary get global jsonResponse or if not found "not found"
set heloo.Text to join "Hello," call TinyDB1.GetValue tag "username" valueIfTagNotThere

Rename Delete

Media

bg.jpg
bg1.jpg
bg2.jpg
bg3.jpg

Show Warnings

0 0

Designer Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

Screen2

- heloo
- Buttondevices
- Web1
- TinyDB1

Any component

0 + -



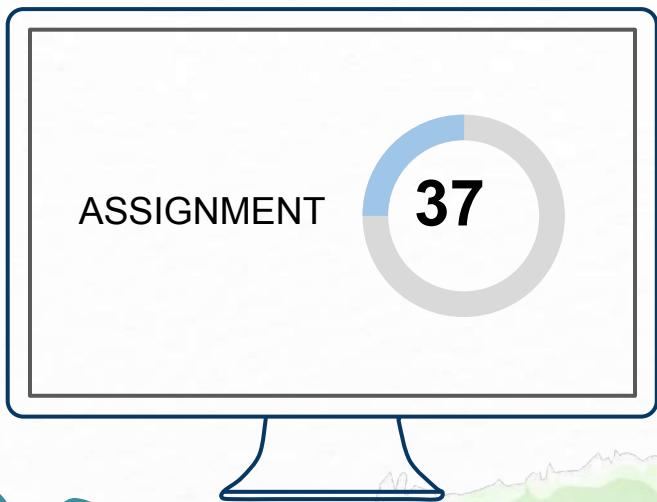
Minitask 2 – RESULT



THANKS



A39 - AKBAR FADILA



Kampus
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Tugas

- Mohon kerjakan Mini Task 1 - Mini Task 3, sertakan evidence (skrinsut) penggerjaannya



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PERENCANAAN DAN KONSEP



Mini Task 1

Store Data Soil

Objektif

Melakukan pengiriman data dummy sensor soil ke Thingsboard menggunakan POSTMAN

Pra-Syarat

Memiliki POSTMAN



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BERBELAJAR SAMA

Thingsboard Sensor Soil

thingsboard.cloud/customers/all/a676ae20-fb29-11ed-8f1a-691306f4897e/entities/devices/all

Customers > All > AKBAR: Devices > All

Current subscription: ThingBoard Cloud Maker
Status: Trial ends on the Jun 9, 2023

Akbar Fadila Tenant administrator

Home Plan and billing Alarms Dashboards Solution templates NEW Entities Profiles Device profiles Asset profiles Customers Users Integrations center Rule chains Edge management Advanced features Resources Notification center API Usage White Labeling

All Groups

AKBAR: Devices Device Filter Include sub

Created time	Name	Device profile
2023-05-26 22:30:31	sensor-soil	default
2023-05-26 22:30:13	sensor-environment	default

sensor-soil Device details

Details Attributes Latest telemetry Alarms Events Relations Audit Logs Version control

Open details page Manage credentials Manage owner and groups Delete device

Copy device Id Copy access token

Name: sensor-soil

Device profile*: default

Label: sensor-soil

Assigned firmware

Assigned software

Is gateway

Description:

Post Data di postman

The screenshot shows the Postman application interface. The top navigation bar includes Home, Workspaces, API Network, Explore, a search bar, and various user account and settings icons. The main workspace is titled "My Workspace". On the left sidebar, there are sections for Collections (with "MYSKILL" expanded), Environments, History, and a pinned section for "THINGSBOARD REST API". The central area displays a POST request to the URL `https://thingsboard.cloud/api/v1/U353wy04i11HAJYLNKio/telemetry`. The "Body" tab is selected, showing the JSON payload `{"moisture":25}`. Below the request details, the response section shows a 200 OK status with a response time of 831ms and a body size of 75 B. The response body is displayed as a single character "1". At the bottom, there are tabs for Body, Cookies, Headers (2), Test Results, and buttons for Pretty, Raw, Preview, Visualize, Text, and a red "X" button.

Cek Data latest telemetry

thingsboard.cloud/customers/all/a676ae20-fb29-11ed-8f1a-691306f4897e/entities/devices/all

Customers > All > AKBAR: Devices > All

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Akbar Fadila Tenant administrator

ThingsBoard Cloud Platform

Home Plan and billing Alarms Dashboards Solution templates NEW Entities Profiles Device profiles Asset profiles Customers Users Integrations center Rule chains Edge management Advanced features Resources Notification center API Usage White Labeling

All Groups

AKBAR: Devices Device Filter Include sub

Created time	Name	Device profile
2023-05-26 22:30:31	sensor-soil	default
2023-05-26 22:30:13	sensor-environment	default

sensor-soil

Device details

Latest telemetry

Last update time	Key	Value
2023-05-28 14:56:20	moisture	26

Items per page: 10 1 - 1 of 1 < < > >

Copy Access Token

The screenshot shows the ThingsBoard Cloud Platform interface. The left sidebar is collapsed, and the main area displays a list of devices under the path: Customers > All > AKBAR: Devices > All. One device, 'sensor-soil', is selected.

Device Details:

- Created time:** 2023-05-26 22:30:31
- Name:** sensor-soil
- Device profile:** default

Actions:

- Open details page
- Manage credentials (highlighted)
- Manage owner and groups
- Delete device

Copy Options:

- Copy device Id
- Copy access token (highlighted with a red circle)

Device Configuration Fields:

- Name:** sensor-soil
- Device profile:** default
- Label:** sensor-soil
- Assigned firmware:** (empty)
- Assigned software:** (empty)
- Is gateway:** (unchecked)
- Description:** (empty)



Copy JWT Token



thingsboard.cloud/security

ThingsBoard Cloud Platform Security

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Akbar Fadila Tenant administrator

JWT token

Token is valid till 2023-05-28 22:43:05

Copy JWT token

Change Password

Current password

New password

Confirm new password

Password requirements

At least:

- * 6 characters

Two-factor authentication

Two-factor authentication protects your account from unauthorized access. All you have to do is enter a security code when you log in.

You can authenticate with:

Authenticator app

Use apps like Google Authenticator, Authy, or Duo on your phone to authenticate. It will generate a security code for logging in.

Minitask 1 sesi 37 sama dengan di sesi 38 - HASIL

The screenshot shows the Postman application interface. The left sidebar displays 'My Workspace' with collections like 'MYSKILL' containing requests such as 'GET New Request', 'GET sesi 38 sensor soil', and 'GET post data'. Other sections include 'Environments' and 'History'. The main workspace shows a 'GET' request to 'https://thingsboard.cloud/api/plugins/telemetry/DEVICE/405b21f0-fbda-11ed-ae11-c179f783bb71/value...'. The 'Headers' tab is selected, showing an 'X-Authorization' header with the value 'Bearer eyJhbGciOiJIUzUxMiJ9eyJzdWI...'. Below the headers, the 'Body' tab displays a JSON response:

```
1 "moisture": [
2   {
3     "ts": 1685260580345,
4     "value": "26"
5   }
6 ]
```

The response status is 200 OK with a duration of 948 ms. The bottom navigation bar includes 'Online', 'Find and replace', 'Console', 'Runner', 'Capture requests', 'Cookies', 'Trash', and a help icon.

Mini Task 2

MIT App Inventor

Objektif

Buat halaman List Device dengan tampilan berikut, parsing data Device Name dan Device ID dari API Get Devices

Pra-Syarat

Menyelesaikan Praktikum 1 Sesi 36

Hint

Gunakan skill parsing json

#PrintKlarisInpian



Copy Customer id

thingsboard.cloud/customers/all

ThingsBoard Cloud Platform

Customers > All

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on June 5, 2023

Home Plan and billing Alarms Dashboards Solution templates NEW Entities Profiles Device profiles Asset profiles Customers Users Integrations center Rule chains Edge management Advanced features Resources Notification center API Usage White Labeling

AKBAR

Customer details

Details Attributes Latest telemetry Alarms Events Relations Audit Logs Version control

Created time Title Email

2023-05-26 01:29:40 AKBAR 2.

2023-05-26 01:26:22 AKBAR skbarrafadila@gmail.com

Open details page Manage users Manage customers Manage assets Manage devices Manage entity views

Manage edges Manage dashboards Manage owner and groups Delete customer

Copy customer Id

Title*: AKBAR

Description

Allow White Labeling

Home dashboard Hide home dashboard toolbar

Country: Indonesia

City: JAKARTA State / Province Zip / Postal Code

Akbar Fadila Tenant administrator

Copy JWT Token

thingsboard.cloud/security

ThingsBoard Cloud Platform Security

Home Plan and billing Alarms Dashboards Solution templates NEW Entities Profiles Device profiles Asset profiles Customers Users Integrations center Rule chains Edge management Advanced features Resources Notification center Api Usage White Labeling

Current subscription: ThingsBoard Cloud Maker Status: Trial ends on Jun 9, 2023 Akbar Fadila Tenant administrator

JWT token

Token is valid till 2023-05-28 22:43:05

Copy JWT token

Change Password

Current password

New password

Confirm new password

Password requirements

At least:

- 6 characters

Two-factor authentication

Two-factor authentication protects your account from unauthorized access. All you have to do is enter a security code when you log in.

You can authenticate with:

Authenticator app

Use apps like Google Authenticator, Authy, or Duo on your phone to authenticate. It will generate a security code for logging in.

GET List Devices Pada Postman

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists collections like 'MYSKILL' containing various requests such as 'GET New Request', 'GET sesi 38 sensor soil', 'GET post data', 'GET 10 data terakhir', and 'GET list devices'. The main workspace displays a 'GET' request to 'https://thingsboard.cloud/api/customer/a676ae20-fb29-11ed-811a-691306f4897e/devices?pageSize=11'. The 'Headers' tab is selected, showing an 'X-Authorization' header with the value 'Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWl...'. Below the headers, the 'Body' tab shows a JSON response with the key 'data' containing device information. The status bar at the bottom indicates a 200 OK response with a 2.75 s duration and 1.85 KB size.

HTTP MYSKILL / list devices

GET https://thingsboard.cloud/api/customer/a676ae20-fb29-11ed-811a-691306f4897e/devices?pageSize=11

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Headers (6 hidden)

Key	Value	Description	Bulk Edit	Presets
X-Authorization	Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWl...			
Key	Value	Description		

Body Cookies Headers (11) Test Results

Pretty Raw Preview Visualize JSON

```
1 "data": [
2   {
3     "id": {
4       "entityType": "DEVICE",
5       "id": "3565a6d0-fbda-11ed-af36-7303d58a5465"
7     },
8     "createdTime": 1685115013565,
9     "additionalInfo": {
10       ...
11     }
12   }
13 ]
```

200 OK 2.75 s 1.85 KB Save as Example

Online Find and replace Console Runner Capture requests Cookies Trash

Designer Minitask 2

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Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English akbarrfadia@gmail.com

sesi_37 Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker

Viewer

Display hidden components in Viewer
Phone size (505,320)

Components

- Screen1
 - Label1
 - Button1
 - Label2
 - Button2
 - Web1

Properties

Label2

BackgroundColor
 None

FontBold

FontItalic

FontSize
14.0

FontTypeface
default...

HTMLFormat

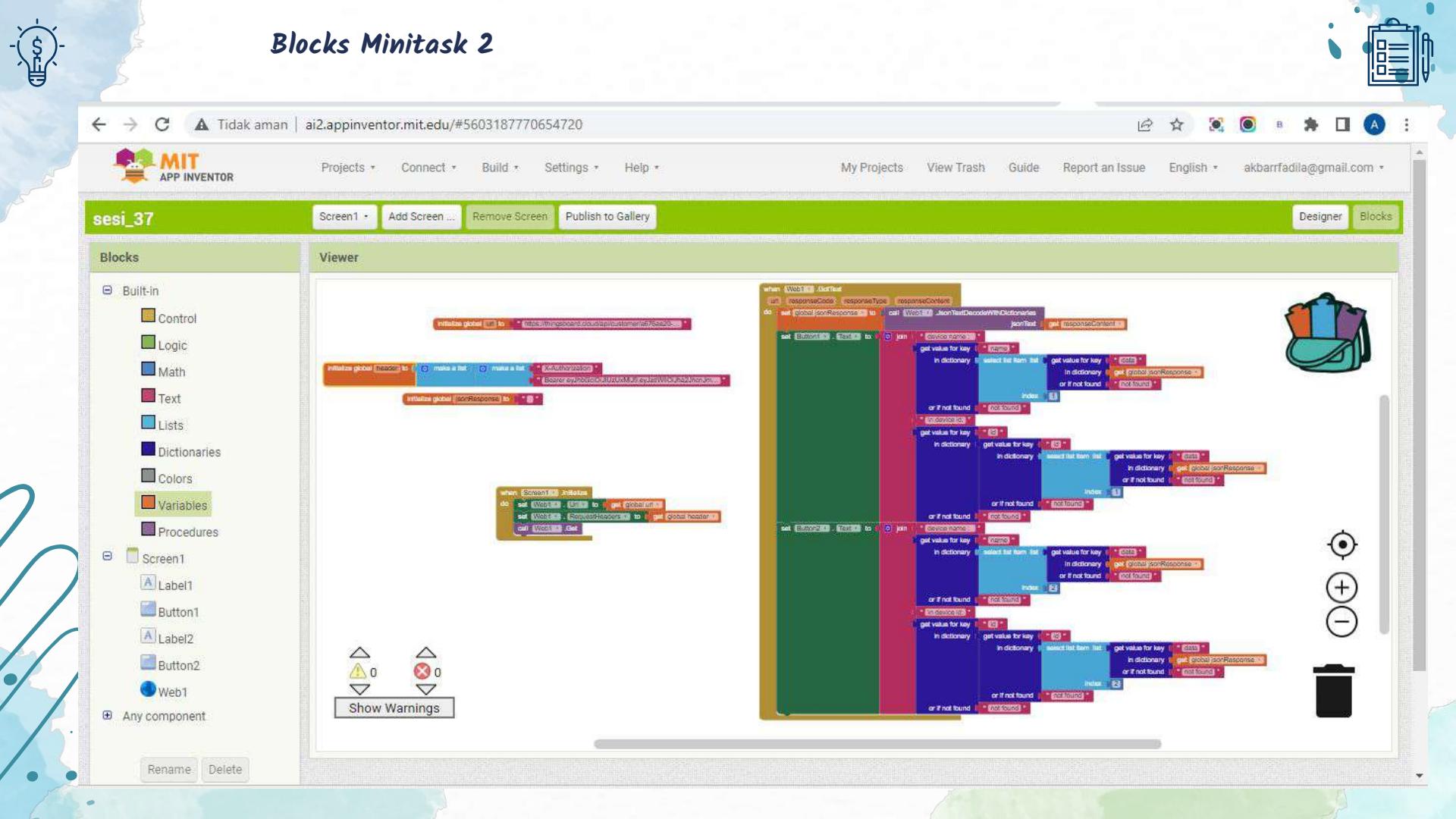
HasMargins

Height
Automatic...

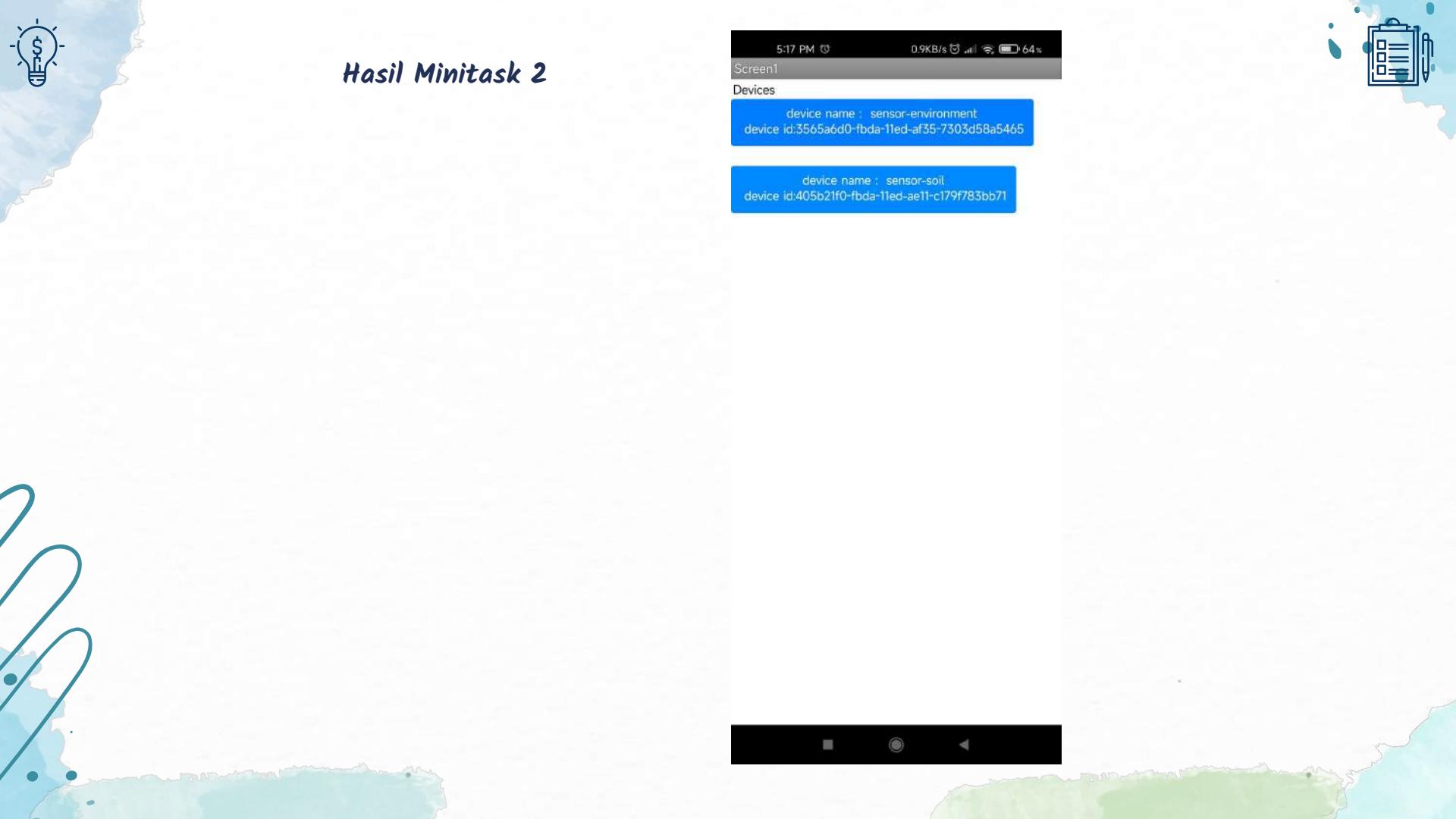
Width
Automatic...

Text

Rename Delete



Blocks Minitask 2



Hasil Minitask 2



Mini Task 3

MIT App Inventor

Objektif

Buat Screen Blank "Detail Device", jika salah satu device di listview diklik, maka akan ke page "Detail Detail". Lemparkan Data Device Name dan Device ID ke Halaman tsb

Pra-Syarat

Menyelesaikan Praktikum 1 Sesi 36

Hint

Gunakan skill parsing json

Gunakan TinyDB untuk kirim data antarscreen

#PraktikumImpian



List devices

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MIT APP INVENTOR

sesi_37 Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

CloudDB

DataFile

File

Spreadsheet

TinyDB

TinyWebDB

Viewer

Display hidden components in Viewer
Phone size (505,320)

Screen1

Devices

Device A

Device B

Components

Screen1

Label1

Button1

Label2

Button2

Web1

TinyDB1

Properties

TinyDB1

Namespace

TinyDB1

Rename Delete

Minitask 3 - BLOCKS

Tidak aman | ai2.appinventor.mit.edu/#5603187770654720

Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English akbarrfadila@gmail.com

sesi_37 Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - Label1
 - Button1
 - Label2
 - Button2
 - Web1
 - TinyDB1
- Any component

Viewer

when Web1 -> Clicked

- initialize global url to https://hangboard.cloud/api/customer/6576ac20...
- global.jsonResponse to
- do
- global.jsonResponse to self Web1 -> jsonTextDecodeWithDictionaries
- join "device name":
- get value for key "name" in dictionary
- selected list item list
- get value for key "data" in dictionary
- get global.jsonResponse
- index
- or if not found "not found"
- join "device id":
- get value for key "id" in dictionary
- get value for key "data" in dictionary
- get global.jsonResponse
- index
- or if not found "not found"
- join "device detail":
- get value for key "deviceDetail" in dictionary
- get value for key "data" in dictionary
- get global.jsonResponse
- index
- or if not found "not found"

when Screen1 -> Initialize

- do
- set Web1 -> Uri to get global.url
- set Web1 -> RequestHeaders to get global.headers
- call Web1 -> Get

when Button1 -> Clicked

- do
- open another screen screenName deviceDetail

Show Warnings

0 Warnings

0 Errors

Blocks view showing the code for handling a button click. The code uses the Web1 component to make a GET request to a specified URL, decode the JSON response, and then extract specific data from the response based on device names, IDs, and details. It also handles cases where data is not found.

BLOCKS lanjutan TinyDB1

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sesi_37 Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - Label1
 - Button1
 - Label2
 - Button2
 - Web1
 - TinyDB1
- Any component

Viewer

```
call [TinyDB1 :: StoreValue] [tag valueToStore]
```

Show Warnings

0 Warnings

0 Errors

Blocks Editor interface with a green header bar, a sidebar for components, and a central workspace for viewing and editing blocks.

Hasil



DESIGNER DEVICE DETAIL

← → C ▲ Tidak aman | ai2.appinventor.mit.edu/#5603187770654720

MIT APP INVENTOR

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sesi_37 deviceDetail Add Screen... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

CloudDB

DataFile

File

Spreadsheet

TinyDB

TinyWebDB

Viewer

Display hidden components in Viewer

Phone size (505,320)

deviceDetail

text for label 1

Components

deviceDetail

Label1

TinyDB1

Properties

Label1

BackgroundColor

None

FontBold

FontItalic

FontSize

20

FontTypeface

default

HTMLFormat

HasMargins

Height

Automatic...

Width

Automatic...

Text

text for label 1

Rename Delete

BLOCKS DEVICE DETAIL

Tidak aman | ai2.appinventor.mit.edu/#5603187770654720

Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English akbarrafadila@gmail.com

sesi_37 deviceDetail Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks Viewer

when deviceDetail.Initialize
do set Label1 Text to
join "device name"
call TinyDB1 .GetValue
tag "device1"
valueIfTagNotThere "tidak ada"
"\n id device "
call TinyDB1 .GetValue
tag "id1"
valueIfTagNotThere "tidak ada"

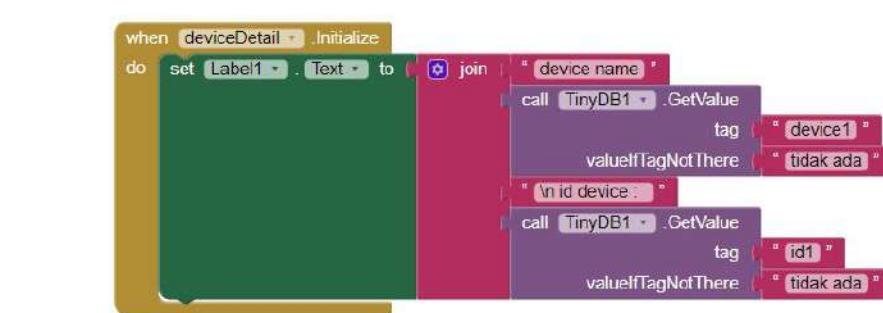
Show Warnings

Rename Delete

Control Logic Math Text Lists Dictionaries Colors Variables Procedures

deviceDetail Label1 TinyDB1

Any component



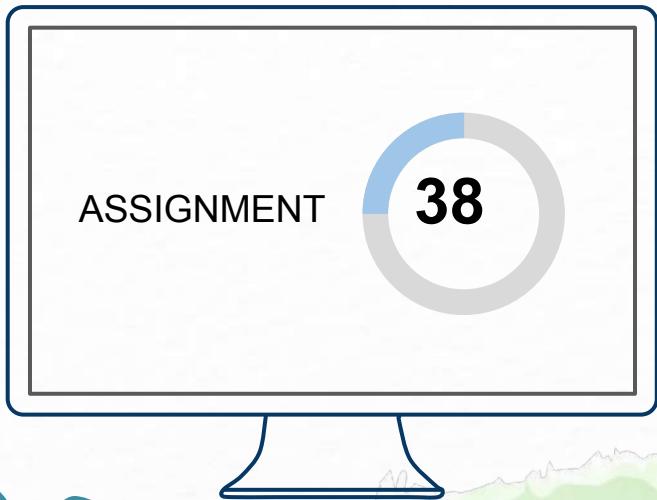
HASIL DEVICE DETAIL



THANKS



A39 - AKBAR FADILA



Kampus
Merdeka
INDONESIA JAYA

Tugas



- 💡 Mohon kerjakan Mini Task 1 sertakan evidence (skrinsut) pengeraannya

#RasaKauImpian



Mini Task 1

Get Latest Data Sensor Soil



MySkill

MSIB

Kampus
Merdeka

Objektif

Lakukan pengambilan data terakhir device sensor soil ke Thingsboard menggunakan POSTMAN

Pra-Syarat

Memahami dan menyelesaikan praktikum 1

#PecintaImpian

Thingsboard

thingsboard.cloud/customers/all/a676ae20-fb29-11ed-8f1a-691306f4897e/entities/devices/all

Current subscription: ThingBoard Cloud Maker
Status: Trial ends on the Jun 9, 2023

Akbar Fadila Tenant administrator

Home Plan and billing Alarms Dashboards Solution templates NEW Entities Profiles Device profiles Asset profiles Customers Users Integrations center Rule chains Edge management Advanced features Resources Notification center API Usage White Labeling

AKBAR: Devices All

All Groups

Created time ↓ Name Device profile

2023-05-26 22:30:31 sensor-soil default

2023-05-26 22:30:13 sensor-environment default

sensor-soil

Device details

Details Attributes Latest telemetry Alarms Events Relations Audit Logs Version control

Open details page Manage credentials Manage owner and groups Delete device

Copy device Id Copy access token

Name: sensor-soil

Device profile*: default

Label: sensor-soil

Assigned firmware

Assigned software

Is gateway

Description

Post Data di postman

The screenshot shows the Postman application interface. The top navigation bar includes Home, Workspaces, API Network, Explore, a search bar, and various user account and settings icons. The main workspace is titled "My Workspace". On the left sidebar, there are sections for Collections (with "MYSKILL" expanded), Environments, History, and a pinned section for "THINGSBOARD REST API". The central area displays a POST request to the URL `https://thingsboard.cloud/api/v1/U353wy04i11HAJYLNKio/telemetry`. The "Body" tab is selected, showing the JSON payload `{"moisture":25}`. Below the request details, the response section shows a 200 OK status with a response time of 831ms and a body size of 75 B. The response body is displayed as a single character "1". At the bottom, there are tabs for Body, Cookies, Headers (2), Test Results, and buttons for Pretty, Raw, Preview, Visualize, Text, and a red "X" button.

Cek Data latest telemetry

thingsboard.cloud/customers/all/a676ae20-fb29-11ed-8f1a-691306f4897e/entities/devices/all

Customers > All > AKBAR: Devices > All

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Akbar Fadila Tenant administrator

ThingsBoard Cloud Platform

Home Plan and billing Alarms Dashboards Solution templates NEW Entities Profiles Device profiles Asset profiles Customers Users Integrations center Rule chains Edge management Advanced features Resources Notification center API Usage White Labeling

All Groups

AKBAR: Devices Device Filter Include sub

Created time	Name	Device profile
2023-05-26 22:30:31	sensor-soil	default
2023-05-26 22:30:13	sensor-environment	default

sensor-soil

Device details

Latest telemetry

Last update time	Key	Value
2023-05-28 14:56:20	moisture	26

Items per page: 10 1 - 1 of 1 < < > >

Copy Access Token

The screenshot shows the ThingsBoard Cloud Platform interface. The left sidebar is collapsed, and the main area displays a list of devices under 'AKBAR: Devices'. A single device, 'sensor-soil', is selected. On the right, the 'Device details' panel for 'sensor-soil' is open, showing various configuration fields. At the top of this panel, there are several buttons: 'Open details page', 'Manage credentials' (which is highlighted in green), 'Manage owner and groups', and 'Delete device'. Below these buttons are two checkboxes: 'Copy device Id' and 'Copy access token'. The 'Copy access token' checkbox is checked and highlighted with a red circle.

ThingsBoard Cloud Platform

Customers > All > AKBAR: Devices > All

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Akbar Fatila Tenant administrator

Home

Plan and billing

Alarms

Dashboards

Solution templates NEW

Entities

Profiles

Device profiles

Asset profiles

Customers

Users

Integrations center

Rule chains

Edge management

Advanced features

Resources

Notification center

Api Usage

White Labeling

1 device selected

Created time	Name	Device profile
2023-05-26 22:30:31	sensor-soil	default
2023-05-26 22:30:13	sensor-environment	default

sensor-soil

Device details

Details Attributes Latest telemetry Alarms Events Relations Audit Logs Version control

Open details page Manage credentials Manage owner and groups Delete device

Copy device Id Copy access token

Name*: sensor-soil

Device profile*: default

Label: sensor-soil

Assigned firmware

Assigned software

Is gateway

Description



Copy JWT Tokem



thingsboard.cloud/security

ThingsBoard Cloud Platform Security

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Akbar Fadila Tenant administrator

JWT token

Token is valid till 2023-05-28 22:43:05

Copy JWT token

Change Password

Current password

New password

Confirm new password

Password requirements

At least:
* 6 characters

Two-factor authentication

Two-factor authentication protects your account from unauthorized access. All you have to do is enter a security code when you log in.

You can authenticate with:

Authenticator app

Use apps like Google Authenticator, Authy, or Duo on your phone to authenticate. It will generate a security code for logging in.

Minitask 1- HASIL

The screenshot shows the Postman application interface. The left sidebar displays 'My Workspace' with collections like 'MYSKILL' containing requests such as 'GET New Request', 'GET sesi 38 sensor soil', and 'GET post data'. Other sections include 'Environments' and 'History'. The main workspace shows a 'GET' request to 'https://thingsboard.cloud/api/plugins/telemetry/DEVICE/405b21f0-fbda-11ed-ae11-c179f783bb71/value...'. The 'Headers' tab is selected, showing an 'X-Authorization' header with the value 'Bearer eyJhbGciOiJIUzUxMiJ9eyJzdWI...'. Below the headers, the 'Body' tab displays a JSON response:

```
1 "moisture": [
2   {
3     "ts": 1685260580345,
4     "value": "26"
5   }
6 ]
```

The response status is 200 OK with a duration of 948 ms and a size of 412 B. Buttons for 'Save as Example' and 'Pretty' are visible at the bottom.



Mini Task 2

MIT App, Latest Temperature Sensor Environment



MySkill

MSIB

Kampus
Merdeka

Objektif

Buat project baru, lakukan pengambilan data terakhir device sensor environment (parameter temperature) ke Thingsboard menggunakan MIT App Inventor

Pra-Syarat

Memahami dan menyelesaikan praktikum 1

#RintikKarinImpian

Post Data sensor environment

The screenshot shows the Postman application interface. The left sidebar displays 'My Workspace' with collections like 'MYSKILL' containing requests such as 'New Request', 'sesi 38 sensor soil', and 'post data'. The main workspace shows a POST request to `https://thingsboard.cloud/api/v1/cvwZF5b4E5SbqRljBD6d/telemetry`. The 'Body' tab is selected, showing the JSON payload:

```
{"temperature":26, "humidity":80}
```

The response at the bottom indicates a 200 OK status with 886 ms and 75 B.

Cek data sensor environment

The screenshot shows the ThingsBoard Cloud Platform interface. The left sidebar navigation includes Home, Plan and billing, Alarms, Dashboards, Solution templates (NEW), Entries, Profiles (Device profiles, Asset profiles), Customers, Users, Integrations center, Rule chains, Edge management, Advanced features, Resources, and Notification center.

The main header shows the URL: thingsboard.cloud/customers/all/a676ae20-fb29-11ed-8f1a-691306f4897e/entities/devices/all. The top right corner displays current subscription (ThingsBoard Cloud Maker), status (Trial ends on Jun 9, 2023), and user information (Akbar Fadila, Tenant administrator).

The main content area shows the 'AKBAR: Devices' list. A modal window for the device 'sensor-environment' is open, displaying Device details (Details, Attributes, Latest telemetry, Alarms, Events, Relations, Audit Logs, Version control) and Latest telemetry data.

Latest telemetry

Last update time	Key	Value
2023-05-28 15:09:15	humidity	60
2023-05-28 15:09:15	temperature	26

Minitask 2 Pengambilan data terakhir sensor environment (Parameter Temperature)

The screenshot shows the Postman application interface. The top navigation bar includes Home, Workspaces, API Network, Explore, a search bar, and various toolbars. The left sidebar displays 'My Workspace' with collections like 'MYSKILL' containing requests such as 'GET New Request', 'GET sesi 38 sensor soil', and 'GET post data'. Other sections include Environments, History, and a placeholder for NEW COLLECTION and THINGSBOARD REST API.

The main workspace shows a 'sesi 38 sensor soil' collection. A 'GET' request is selected, targeting the URL <https://thingsboard.cloud/api/plugins/telemetry/DEVICE/3565a6d0-fbda-11ed-af35-7303d58a5465/value>. The 'Headers' tab is active, showing a single header entry: X-Authorization with the value 'Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWl...'. The 'Body' tab shows the response body in JSON format:

```
2 "temperature": [ 3 { 4 "ts": 1685261355768, 5 "value": "26" } 6 ], 7 "humidity": [ 8 { 9 "ts": 1685261355768, 10 "value": "45" } ]
```

The response status is 200 OK with 787 ms latency and 462 B size. Below the response, there are tabs for Body, Cookies, Headers (11), and Test Results. The Body tab is currently selected, showing the JSON response. The Cookies tab shows an empty list. The Headers tab lists 11 items. The Test Results tab is not visible.

Minitask 2 - BLOCKS

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Projects Connect Build Settings Help My Projects View Trash Guide Report an Issue English akbarraffidla@gmail.com

sesi_38_akbar Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - Label1
 - Web1
- Any component

Viewer

```
initialize global [url] to "https://thingsboard.cloud/api/v1/ingest/temperature"
initialize global [headers] to [make a list] [make a list] [X-Authorization]
when [Screen1] [Initialize]
do [set [Web1] [Url] to [get global url]]
[set [Web1] [Request-Headers] to [get global headers]]
[call [Web1] [Get]]
when [Web1] [GotText]
do [set global [jsonResponse] to [call [Web1] [JsonTextDecodeWithDictionaries]]]
[set [Label1] [Text] to [join "Temperature" [get value for key "value" [in dictionary [select list item [list [get value for key "Temperature" [in dictionary [get global [jsonResponse]] or if not found "not found"] [index 1]]]]]]]]
[or if not found "not found"]
```

Show Warnings

Rename Delete

The screenshot shows a completed App Inventor project titled "sesi_38_akbar". The project uses the "Blocks" editor to perform a web request to ThingsBoard to get temperature data and display it on a screen. The code includes blocks for initializing global variables, setting up a web component, and decoding JSON responses.

The code consists of two main parts:

- Initialization:** The first part initializes global variables: "url" to "https://thingsboard.cloud/api/v1/ingest/temperature" and "headers" to a list containing "X-Authorization" with a specific token.
- Event Handling:** The second part handles the "Initialize" event for the "Screen1" screen. It sets the "Web1" component's URL to the global "url" and its Request-Headers to the global "headers", then calls "Get" on the "Web1" component.
- Response Processing:** The third part handles the "GotText" event for the "Web1" component. It decodes the JSON response using "JsonTextDecodeWithDictionaries", then extracts the "Temperature" value from the JSON object and displays it on the "Label1" component.

Hasil MIT APP MINITASK 2

3:37 PM

20.0KB/s ☰ 78%

Screen1

temperature :26



Mini Task 3

Get 10 Latest Data Sensor Soil



MySkill MSIB

Kampus
Merdeka
BERBELAJAR JAUH

Objektif

Lakukan pengambilan 10 data terakhir device sensor soil ke Thingsboard menggunakan POSTMAN

Pra-Syarat

Memahami dan menyelesaikan praktikum 1

#RintikKarinImpian

Copy access token sensor soil

The screenshot shows the ThingsBoard Cloud Platform interface. The left sidebar contains navigation links such as Home, Plan and billing, Alarms, Dashboards, Solution templates, Entities, Profiles, Customers, Users, Integrations center, Rule chains, Edge management, Advanced features, Resources, Notification center, and API Usage. The main content area shows a list of devices under 'AKBAR: Devices'. One device, 'sensor-soil', is selected, and its details are displayed in a modal window. The modal window has tabs for Details, Attributes, Latest telemetry, Alarms, Events, Relations, Audit Logs, and Version control. The 'Details' tab is active. Below the tabs are buttons for Open details page, Manage credentials, Manage owner and groups, and Delete device. Two additional buttons, 'Copy device Id' and 'Copy access token', are also present. The 'Copy access token' button is highlighted with a red circle. The device details shown in the modal include Name: 'sensor-soil', Device profile: 'default', Label: 'sensor-soil', Assigned firmware, and Assigned software.

ThingsBoard Cloud Platform

Customers > All > AKBAR: Devices > All

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Albar Fadila Tenant administrator

sensor-soil

Device details

Created time ↓ Name Device profile

2023-05-26 22:30:31 sensor-soil default

2023-05-26 22:30:13 sensor-environment default

Open details page Manage credentials Manage owner and groups Delete device

Copy device Id Copy access token

Name*
sensor-soil

Device profile*
default

Label
sensor-soil

Assigned firmware

Assigned software

Post data Moisture sensor soil

The screenshot shows the Postman application interface. The left sidebar displays 'My Workspace' with collections like 'MYSKILL' containing requests such as 'GET New Request', 'GET sesi 38 sensor soil', and 'GET post data'. The main workspace shows a POST request to `https://thingsboard.cloud/api/v1/U353wy04i11HAJYLNKio/telemetry`. The 'Body' tab is selected, showing the JSON payload `{"moisture":26}`. The 'Headers' section lists two headers: 'Content-Type: application/json' and 'X-AUTH-TOKEN: U353wy04i11HAJYLNKio'. The 'Tests' tab contains the script `pm.sendRequest(function(response){});`. The bottom status bar indicates a response of 200 OK, 268 ms, 75 B.

My Workspace

New Import

Overview MYSKILL GET New Request GET sesi 38 sensor soil POST post data

HTTP MYSKILL / post data

POST https://thingsboard.cloud/api/v1/U353wy04i11HAJYLNKio/telemetry

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

1 {"moisture":26}

Body Cookies Headers (2) Test Results

Pretty Raw Preview Visualize Text

200 OK 268 ms 75 B Save as Example

Ambil 10 Data Terakhir Moisture

The screenshot shows the Postman application interface with the following details:

- Header Bar:** Home, Workspaces, API Network, Explore, Search Postman, Invite, Settings, Upgrade.
- Left Sidebar:** My Workspace (Collections, Environments, History), NEW COLLECTION, THINGSBOARD REST API.
- Request Preview:** GET /MYSKILL / 10 data terakhir. URL: <https://thingsboard.cloud/api/plugins/telemetry/DEVICE/405b21f0-fbda-11ed-ae11-c179f783bb71/values/timeseries?keys=moisture&startTs=1685263613&endTs=1685263513578&interval=60000&limit=10&agg=NONE>. Params: keys=moisture, startTs=1685263613, endTs=1685263513578, interval=60000, limit=10, agg=NONE. Headers: X-Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIo... .
- Body Response:** 200 OK, 884 ms, 718 B. The response body is a JSON array of 10 objects, each representing a moisture reading with timestamp (ts) and value (value).

```
ts": 1685263268047, "value": "26"
},
{
"ts": 1685263261376, "value": "26"
},
{
"ts": 1685263258699, "value": "26"
}
```
- Bottom Navigation:** Online, Find and replace, Console, Runner, Capture requests, Cookies, Trash.



MySkill

MSIA

Kampus
Merdeka
PERENCANAAN

Mini Task 4

MIT App, 10 Latest Temperature Sensor Environment

Objektif

Buat project baru, lakukan pengambilan 10 data terakhir device sensor environment (parameter temperature) ke Thingsboard menggunakan MIT App Inventor

Pra-Syarat

Memahami dan menyelesaikan praktikum 2

#BerdikariImpian

Copy Access token Sensor environment

thingsboard.cloud/customers/all/a676ae20-fb29-11ed-8f1a-691306f4897e/entities/devices/all

Customers > All > AKBAR: Devices > All

Current subscription: ThingsBoard Cloud Maker
Status: Trial ends on Jun 9, 2023

Akbar Fadila Tenant administrator

Home Plan and billing Alarms Dashboards Solution templates NEW Entities Profiles Device profiles Asset profiles Customers Users Integrations center Rule chains Edge management Advanced features Resources Notification center Api Usage White Labeling

1 device selected

Created time	Name	Device profile
2023-05-26 22:30:31	sensor-soil	default
2023-05-26 22:30:13	sensor-environment	default

sensor-environment

Device details

Details Attributes Latest telemetry Alarms Events Relations Audit Logs Version control

Name: sensor-environment

Device profile*: default

Label: sensor-environment

Assigned firmware

Assigned software

Is gateway

Description

Ambil Epoch Timestamp

epochtimestamp.com



Epoch Timestamp



Blog

Soft Cactus Studio

Current epoch time: 1685264401

Convert epoch timestamp to human readable format

Epoch timestamp

1685264392954



Seconds



Milliseconds

Input: 1685264392954

Local: Sunday, 28 May 2023 15:59:52.954 +07:00

GMT: Sunday, 28 May 2023 08:59:52.954

Relative: a few seconds ago

ISO 8601: 2023-05-28T15:59:52+07:00 [Copy](#)

RFC 2822: Sun, 28 May 2023 15:59:52 +07:00 [Copy](#)



Do you need to track time & expenses and bill your customers?
Try [Time Track Bill](#) from the same people that brought you Epoch Timestamp.

Postman Berhasil ambil 10 Data Sensor environment (Parameter Temperature)

The screenshot shows the Postman application interface with the following details:

- Header Bar:** Home, Workspaces, API Network, Explore, Search Postman, Invite, Upgrade.
- Left Sidebar:** My Workspace (Collections, Environments, History), NEW COLLECTION, THINGSBOARD REST API.
- Request Overview:** MYSKILL / 10 data terakhir, GET, https://thingsboard.cloud/api/plugins/telemetry/DEVICE/3565a6d0-fbda-11ed-af35-7303d58a5465/val...
- Request Headers:** X-Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWl...
- Response Body:** JSON response showing two data points:

```
36   "ts": 1685264286755,  
37   "value": "26"  
38   },  
39   {  
40     "ts": 1685264275031,  
41     "value": "26"  
42   ]  
43  
44 ]
```
- Bottom Navigation:** Online, Find and replace, Console, Runner, Capture requests, Cookies, Trash.

Desiger Minitask 4

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sesi_38_akbar Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

Layout

Media

Drawing and Animation

Maps

Charts

Sensors

Social

Storage

Connectivity

ActivityStarter

BluetoothClient

BluetoothServer

Viewer

Display hidden components in Viewer

Phone size (505,320)

Screen1

Label1

Web1

Components

Properties

Label1

BackgroundColor

None

FontBold

✓

FontItalic

None

FontSize

20

FontTypeface

default..

HTMLFormat

None

HasMargins

✓

Height

Automatic..

Width

BLOCK MINITASK 4

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Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - Label1
 - Web1
- Any component

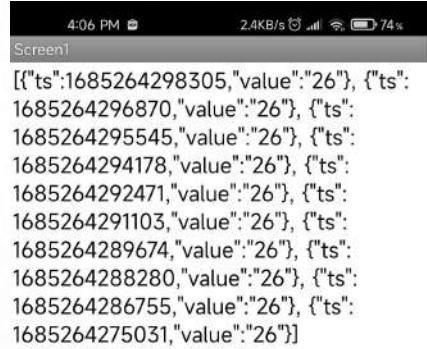
Viewer

```
initialize global [url] to https://thingsboard.cloud/api/plugins/telemetry/...
initialize global [headers] to (make a list) (make a list) X-Authorization
initialize global [jsonResponse] to []
when [Screen1] [Initialize]
do
  set [Web1] [Url] to (get global url)
  set [Web1] [RequestHeaders] to (get global headers)
  call [Web1] [Get]
when [Web1] [GotText]
do
  set global [jsonResponse] to (call Web1 [JsonTextDecodeWithDictionaries])
  set [Label1] [Text] to (get value for key "temperature" in dictionary (get global jsonResponse) or if not found "not found")
```

Show Warnings

The screenshot shows a completed MIT App Inventor project. The code initializes a global URL to a ThingsBoard API endpoint, sets up global headers including an Authorization token, and initializes a global JSON response variable. It then performs an 'Initialize' event for the first screen, setting up a Web component (Web1) to make a GET request to the specified URL with the headers. Finally, it handles the 'GotText' event for the Web component, decoding the JSON response and setting the text of a Label component to the 'temperature' value from the JSON, or to 'not found' if the key is not present.

HASIL DI APK
MIT
APP



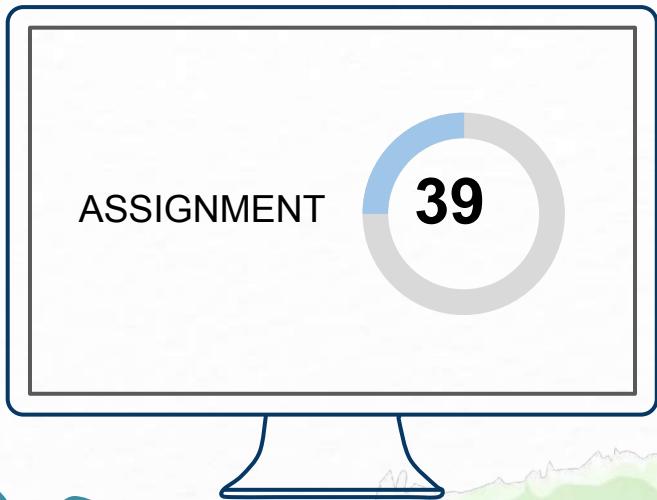
4:06 PM 2.4KB/s Screen1

```
[{"ts":1685264298305,"value":"26"}, {"ts":1685264296870,"value":"26"}, {"ts":1685264295545,"value":"26"}, {"ts":1685264294178,"value":"26"}, {"ts":1685264292471,"value":"26"}, {"ts":1685264291103,"value":"26"}, {"ts":1685264289674,"value":"26"}, {"ts":1685264288280,"value":"26"}, {"ts":1685264286755,"value":"26"}, {"ts":1685264275031,"value":"26"}]
```

THANKS



A39 - AKBAR FADILA



Kampus
Merdeka
INDONESIA JAYA

Tugas



- 💡 Mohon kerjakan Mini Task 1 sertakan evidence (skrinsut) pengeraannya

#RasaKaryaImpian



Minitask 1

Mini Task 1

MIT App Inventor

Objektif

Membuat Line Chart Double

Pra-Syarat

Memahami dan menyelesaikan praktikum 1



MySkill MSIA

Kampus
Merdeka

Minitask 1

Mini Task 1

Get Latest Data Sensor Soil

Hint

```
call ChartData2D1 • .AddEntry  
    x 1  
    y 2  
  
call ChartData2D2 • .AddEntry  
    x 1  
    y 2  
  
call ChartData2D3 • .AddEntry  
    x 1  
    y 2
```

X	Y1	Y2
1	1	2
2	4	8
3	9	18

#Kunci Jawaban

Minitask 1 - DESIGNER

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Sesi39 Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Palette

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker

Viewer

Display hidden components in Viewer

Phone size (505,320)

Screen1

The phone screen displays a chart titled "Screen1" with two data series. The X-axis has values 1, 2, 3, 4. The Y-axis has values 0, 1, 2. The first series (blue line with circles) starts at (1,0) and ends at (4,2). The second series (yellow line with diamonds) starts at (1,1) and ends at (4,2). Below the chart, there are two small colored squares: one blue and one yellow.

Components

- Screen1
 - Chart1
 - ChartData2D1
 - ChartData2D2

Properties

ChartData2D2

Color: Yellow

ElementsFromPairs:

Label:

LineType: linear

Source: None...

Rename Delete

Minitask 1 - BLOCKS

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MIT APP INVENTOR

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Sesi39 Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks Viewer

when Screen1.Initialize
do

- call ChartData2D1.AddEntry x: 1 y: 1
- call ChartData2D2.AddEntry x: 1 y: 2
- call ChartData2D1.AddEntry x: 2 y: 4
- call ChartData2D2.AddEntry x: 2 y: 8
- call ChartData2D1.AddEntry x: 3 y: 9
- call ChartData2D2.AddEntry x: 3 y: 18

Control Logic Math Text Lists Dictionaries Colors Variables Procedures

Screen1 Chart1 ChartData2D1 ChartData2D2

Any component

Show Warnings

Rename Delete

```
when Screen1.Initialize
do
    call ChartData2D1.AddEntry x: 1 y: 1
    call ChartData2D2.AddEntry x: 1 y: 2
    call ChartData2D1.AddEntry x: 2 y: 4
    call ChartData2D2.AddEntry x: 2 y: 8
    call ChartData2D1.AddEntry x: 3 y: 9
    call ChartData2D2.AddEntry x: 3 y: 18
```

Minitask 1 - RESULT



THANKS

