



Progetto “App calcolatrice”

Alunno:

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Classe: 3 A

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App Inventor

App Inventor è un semplice ambiente di sviluppo per applicazioni Android, creato da Google, ma ora di proprietà di un altro istituto Tecnologico.

Questo ambiente di sviluppo fu creato soprattutto per persone che volessero programmare semplici applicazioni per Android ad uso personale. Tali applicazioni possono essere anche pubblicate sullo store di Google



Ma durante lo sviluppo è possibile installare le applicazioni inviandole direttamente sul cellulare/tablet tramite WiFi o USB, provarle su un emulatore Android per PC, oppure utilizzare direttamente sul cellulare/tablet la versione online di AppInventor.





Scratch

Scratch è un linguaggio di programmazione e il suo ambiente di sviluppo e d'autore sono gratuiti. Il linguaggio, ispirato alla teoria costruzionista dell'apprendimento e progettato per l'insegnamento della programmazione tramite primitive visive, è adatto a studenti, e a tutti coloro che vogliono avvicinarsi alla programmazione.



SCRATCH



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Scratch

File Modifica Suggestimenti>About

Batman per Cowinning

X: 240 y: 39

Sprite

Nuovo sprite:

Stage
2 sfondi

Nuovo sfondo:

Script

Movimento Aspetto Suono Penna Variabili e Liste

Situazioni

Controllo Sensori Operatori Altri Blocchi

quando si clicca su

ripeti 10 volte

fai 50 passi

suona tamburo 1 per 0.25 battute

fai -50 passi

suona tamburo 7 per 0.25 battute

ripeti 10 volte

ruota di 15 gradi

ruota di 15 gradi

dire Ciao a tutti da Fabio! Forza Cowinning! per 2 secondi

quando ricevo message1

invia a tutti message1

invia a tutti message1 e attendi

quando si preme il tasto spazio

quando si clicca questo sprite

quando lo sfondo passa a night city

quando rumorosità > 10



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The screenshot displays the MIT App Inventor 2 Beta web interface. The browser address bar shows the URL `127.0.0.1:8888/#5348024557502464`. The page title is "MIT App Inventor 2 Beta". The main workspace is titled "Calcolatrice2" and contains a "Screen1" component. The interface is divided into several panels:

- Palette:** A list of user interface components including Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Slider, Spinner, TextBox, TimePicker, and WebViewer. It also includes sections for Layout, Media, Drawing and Animation, Sensors, Social, Storage, and Connectivity.
- Viewer:** A central area showing a preview of the app on a mobile device. The app displays a calculator interface with a numeric keypad and a display area. A "Notifier" component is visible in the "Non-visible components" section below the viewer.
- Components:** A tree view showing the hierarchy of components on the screen, including HorizontalArrangement, VerticalArrangement, LB_storia, LB_testo, BN_canc, TableArrangement1, and several Button components (Button1 through Button9, BN_diviso).
- Properties:** A panel on the right showing the properties for the selected "Screen1" component. Properties include AboutScreen, AlignHorizontal, AlignVertical, AppName (Calcolatrice2), BackgroundColor (White), BackgroundImage, CloseScreenAnimation, Icon, OpenScreenAnimation, ScreenOrientation (Unspecified), Scrollable, ShowStatusBar (checked), Sizing (Fixed), Title (Screen1), and TitleVisible.





MIT App Inventor 2 Beta

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Ungrandclassique

Screen1 Add Screen ... Remove Screen Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Colors
 - Variables
 - Procedures
- Screen1
 - Label3
 - Label1
 - Label2
 - Sélectionneur_de_liste1
 - TextBox1
 - Label9
 - Button1
 - Button2

Viewer

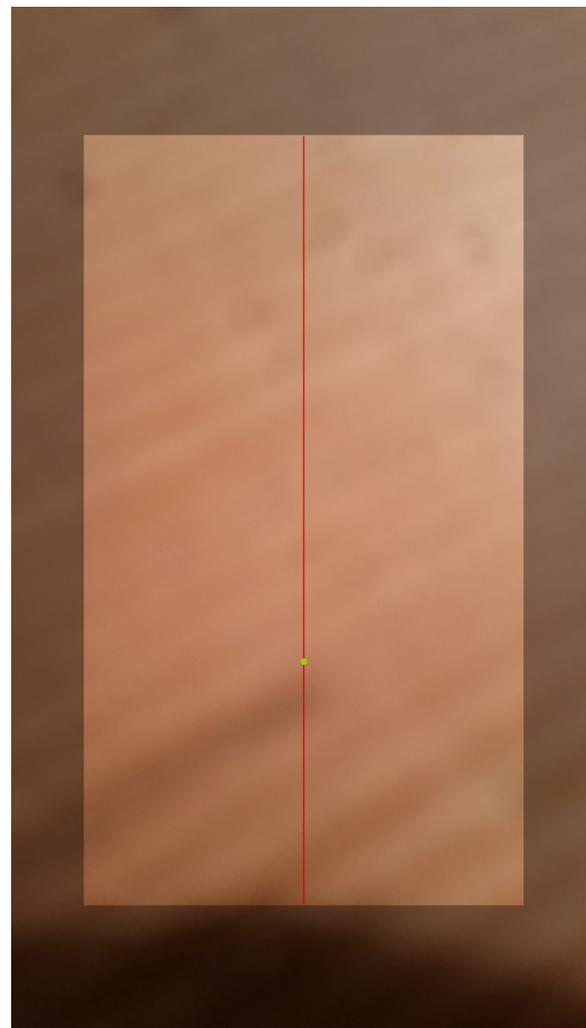
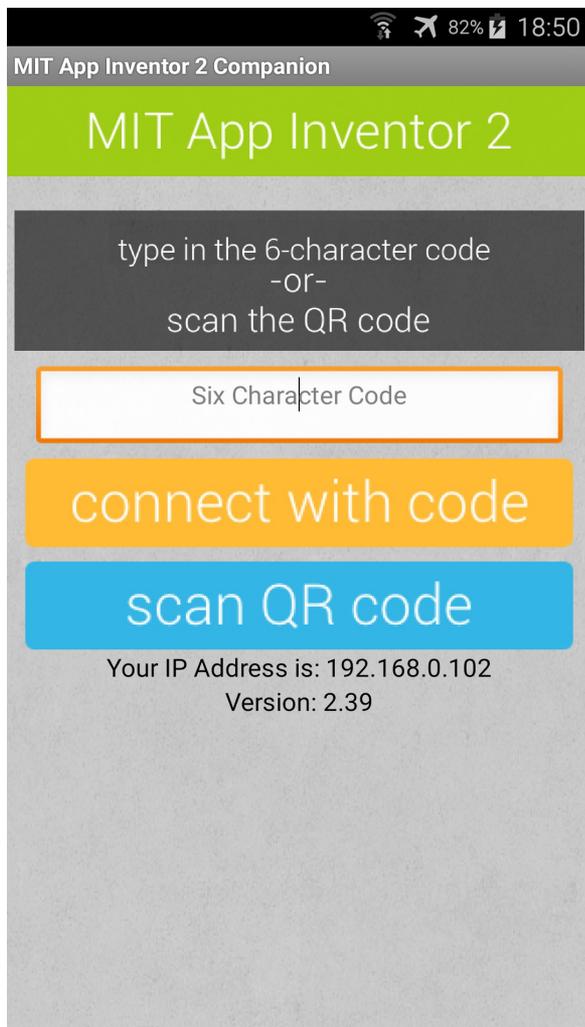
```
initialize global boiteX to random integer from 1 to 3
```

```
when Button1 .Click do if get global boiteX = 1 then set Label2 . BackgroundColor to red set global boiteX to random integer from 1 to 3 set Label2 . Text to "-1 vie !! " set global vie to get global vie - 1 if get global vie = -1 then set Button1 . Visible to false set Button2 . Visible to false set Button3 . Visible to false
```

Show Wa



MIT AI2 Companion





La calcolatrice

The screenshot displays the MIT App Inventor 2 Beta web interface. The browser address bar shows the URL `127.0.0.1:8888/?locale=en#5348024557502464`. The page title is "Calcolatrice2". The interface is divided into three main sections: "Blocks", "Viewer", and "Designer".

Blocks: A palette on the left lists various components and blocks. Under "Screen1", there are "HorizontalArranger" and "VerticalArranger" components, and "TableArrangement1" with "Button1" and "Button2".

Viewer: The central area shows a script for "when Screen1.Initialize". It contains a "do" block with a "for each item in list" loop. The loop includes a "make a list" block with buttons: Button1, Button2, Button3, Button4, Button5, Button6, Button7, Button8, Button9, Button0, BN_diviso, BN_piu, BN_uguale, BN_punto, BN_meno, and BN_moltiplicazione. Below the loop, there are three "set" blocks for "WidthPercent", "HeightPercent", and "BackgroundColor" of a "Button" component, each using a "get item" block to retrieve the current item from the list. The "BackgroundColor" block uses a "make color" block with a "make a list" block containing the value 33.

Designer: The right side shows a visual representation of the calculator interface. It features a grid of buttons and a display area showing the text "rgb(0,131,143)".

The bottom of the screenshot shows the Windows taskbar with the time 18:39 and date 24/03/2017.

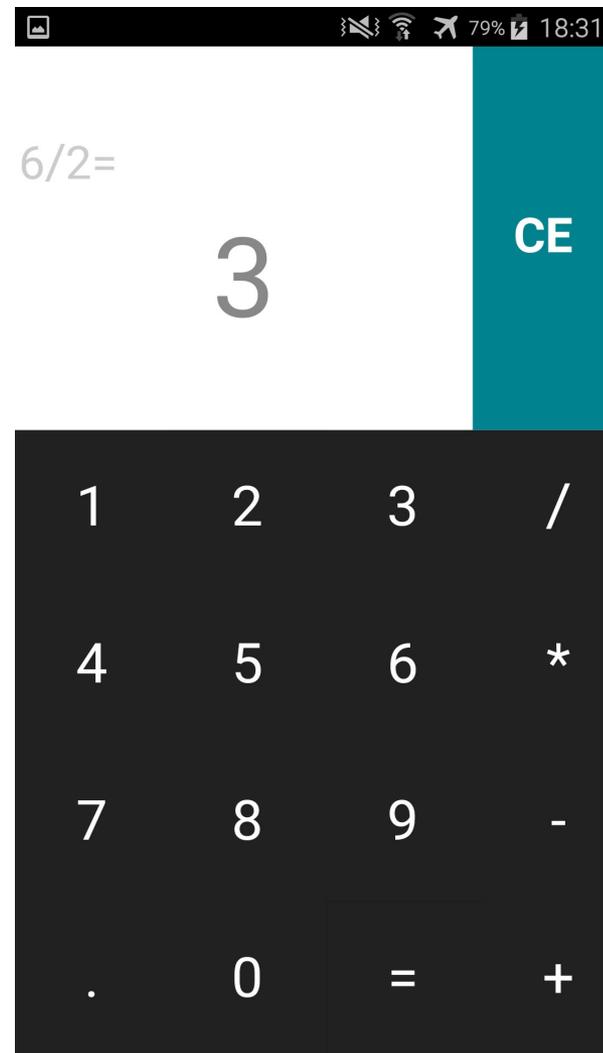
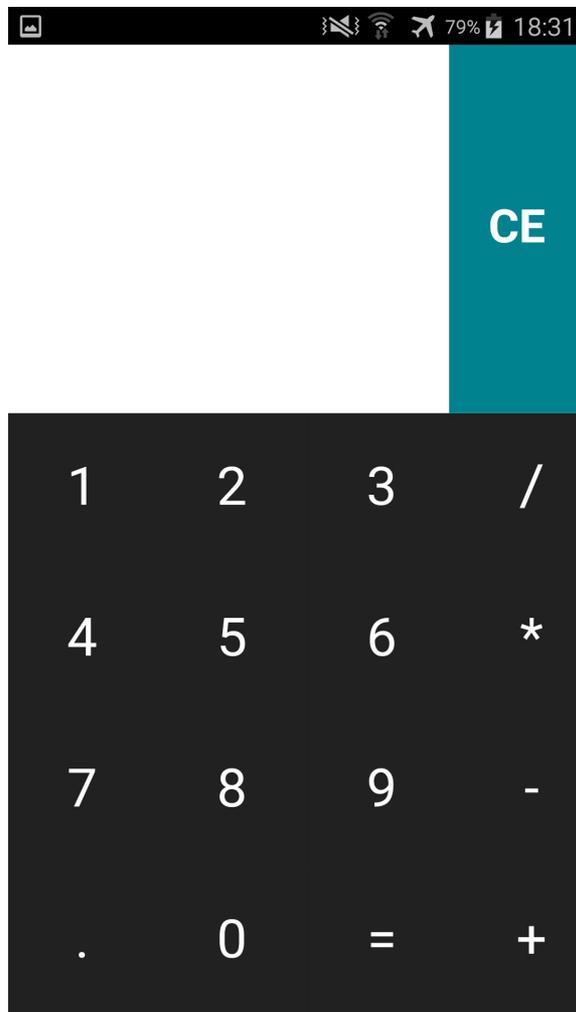
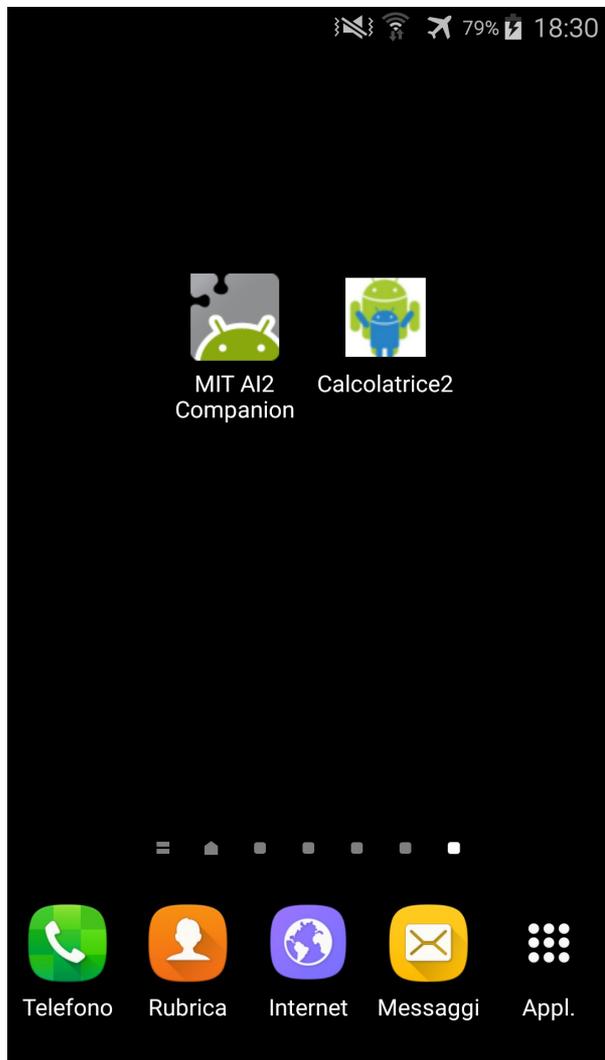


La calcolatrice

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La calcolatrice





6/2=
79% 18:31

6/2=

5*5/8/-9

CE

1	2	3	/
4	5	6	*
7	8	9	-
.	0	=	+

79% 18:31

5*5/8/-9=

-0.34722

CE

1	2	3	/
4	5	6	*
7	8	9	-
.	0	=	+