

DISCOVER

CodeAll

Learn programming via chatbot.
Code intelligent environments.



CHATBOT THAT TEACHES CODING

CodeAll is a free online tool for teaching programming. CodeAll uses an interactive, intelligent chatbot to make the entirety of the learning experience as easy and entertaining as possible.

Our platform is dedicated to teenagers and adults seeking to acquire new skills, but there is no bottom line here in terms of experience. CodeAll will teach you everything you need to start your exciting coding adventure.



Our mission

Digitalization of the world is speeding up, but access, utility and quality of tools helping us to keep up with this pace - to learn new ways of interaction with our immediate ever-more-intelligent surroundings - is something we still need to work on.

Our mission is to give - especially those young looking for direction and those striving to educate themselves towards a career in programming - an engaging, fun, and empowering way to dive into the fascinating world of programming.

We believe that everyone should have access to tools to co-create the world around them.



Our solution

We decided to move away from simplified code or visual coding blocks. Instead, we provide students real code that they can actually use in the future AND a possibility to impact their immediate surroundings with that very code.

With CodeAll one can program intelligent environments using CodeAll mobile application with chatbot and specially designed wireless sensors that may be attached to physical objects.

Learning to code step by step is the key. CodeAll learning material is organised into small, easily-digestible portions of applicable knowledge. Being able to observe immediate fruit of one's study students feel empowered as they develop deeper understanding of each programming lesson. **With CodeAll you may code both the virtual and physical world.**



Anywhere you go

All you need to take your first step in coding is a willingness to learn and an internet connection. You don't need to take out subscription or pay for anything in advance, because a significant portion of the platform is free.

CodeAll is going to help you create a truly practical software. You can quickly connect to external services, like weather, NBA statistics, news or online dictionaries in order to create daily weather forecast via e-mail, current info about top NBA players or a language learning software.

If you reach for CodeAll hardware you will be able to extend your code by inputs and measurements from your immediate environment.



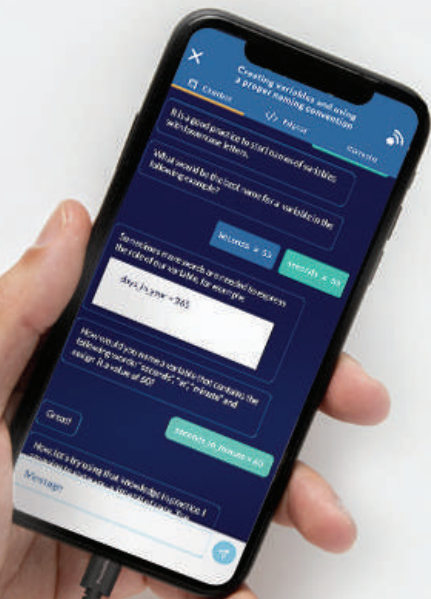
Create an intelligent environment...

Thanks to CodeAll app and IoT sensors you can use your mobile device to program - yes! - the lamp on your desk... the one right next to you! You can create an intelligent lighting system.

Why bother with switches?
Get the app, write code with help from your virtual teacher and clap your hands to turn the lamp on!

Congrats to the freshly baked programmer! This could be just a beginning of an amazing journey to a new world of your own creation.

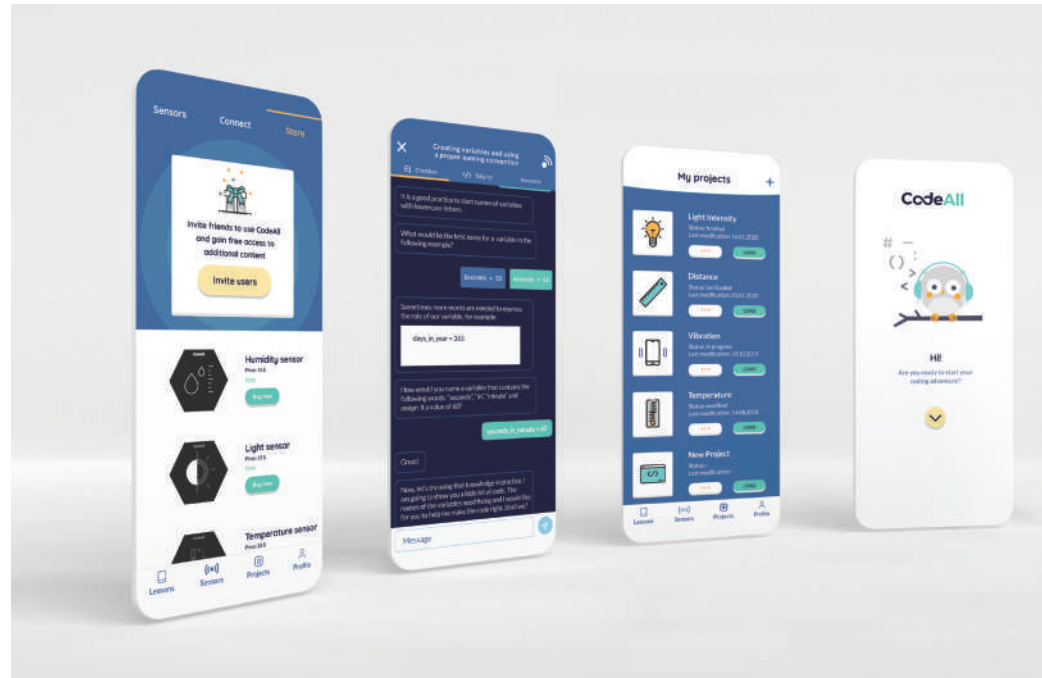




...while being carefully guided through conversation...

CodeAll app allows you to select and explore programming topics at your own convenience but also talk to a virtual tutor, who will provide you with the best examples to match your skills and aptitude.

Our learning platform will focus on the following issues: variables, types, operators, conditional code, functions, arguments, loops, classes, objects and bug fixing. All of them are woven into more than 90 engaging scenarios for creating intelligent environments.



... with your private programming tutor

CodeAll chatbot was built using machine learning technologies. Thanks to the algorithms used CodeAll learns new things over time from the people it chats with, e.g. it monitors the errors appearing in the code and notes the questions people ask.

Our chatbot develops with you.

temperature = 22

It is a good practice to start names of variables with lowercase letters.

What would be the best name for a variable in the following example?

Seconds = 53

seconds = 53

Sometimes more words are needed to express the role of our variable, for example:

```
days_in_year = 365
```

How would you name a variable that contains the following words: "seconds", "in", "minute" and assign it a value of 60?

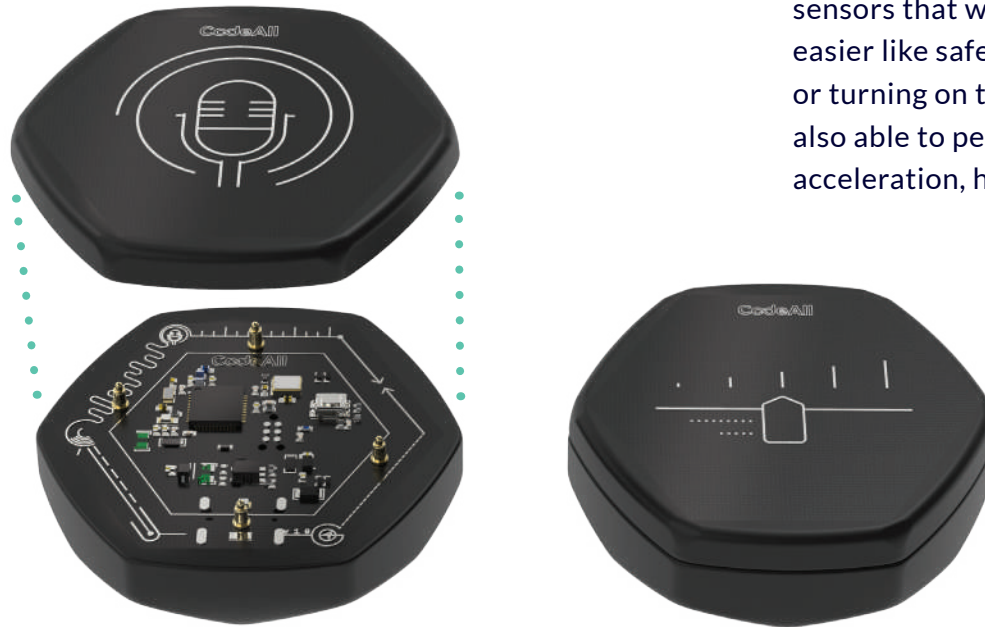
seconds_in_minute = 60

Great!

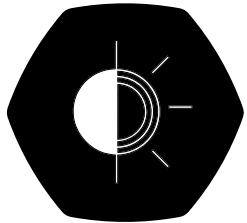
Now, let's try using that knowledge in practice. I am going to show you a little bit of code. The names of the variables need fixing and I would like

Hardware...

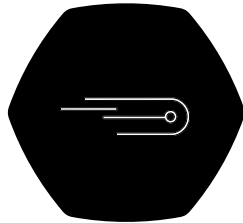
CodeAll dedicated wireless sensors allow you to program your environment according to your needs. If you decide to go beyond the computer with your skills and to purchase our IoT sensors - which is completely optional - you will be able to choose from many sensors that will make part of your daily activities easier like safe parking, restocking your refrigerator or turning on the light with clapping. You will be also able to perform various measurements, e.g. of acceleration, humidity or vibration.



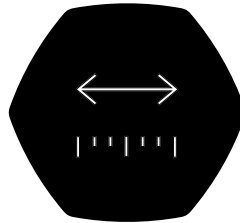
... selection



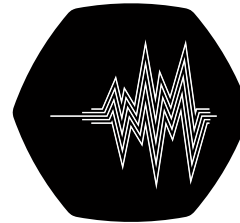
Light intensity



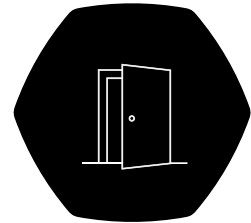
Acceleration



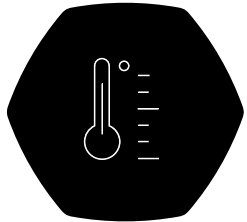
Distance



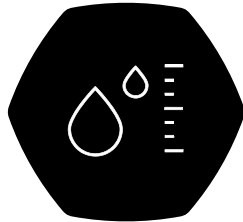
Vibration



Door/opening



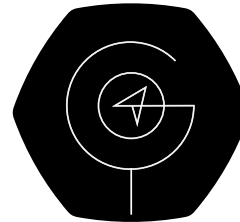
Temperature



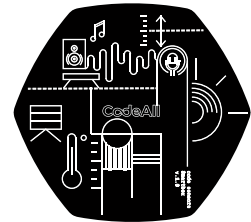
Humidity



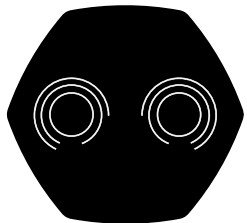
Microphone



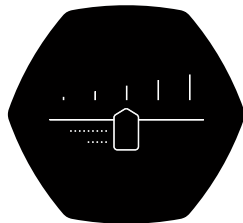
Gyroscope



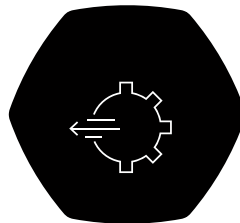
SmartBox



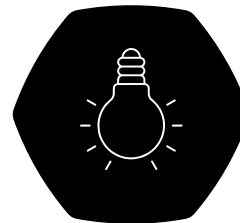
Buttons



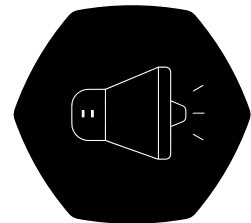
Slider



Servo



LED RGBW



Speaker

Specifications

CodeAll consists of software (chatbot) and hardware (SmartBox - the central unit - and sensors / actuators).

Please find below the most important information about CodeAll.



Plug & Play JUST CONNECT AND USE

Dimensions (SmartBox and Sensors alike)

width: ~4,5 cm

height: ~1,5 cm

SmartBox CPU
ESP32 Wi-Fi & Bluetooth MCU

Bluetooth
Bluetooth Low Energy

Easy coding ON YOUR MOBILE PHONE

Programming language
Currently Python, more in the future

Chatbot languages
Planned: English, German, French, Polish

Level of teaching
From zero to Junior Developer

Integrate WITH OTHER ONLINE SERVICES

Integrate your code with:
Facebook, Google Drive, Google Docs, Twitter, TikTok, Spotify and more

Awards

CodeAll was awarded multiple times and took part in many acceleration programs.



Google Launchpad Start

We were selected to Google Launchpad Start acceleration program as one of the 10 startups selected in Poland.



Kickstart accelerator

We took part in the Swiss Kickstart accelerator in Zurich - one of the 30 startups from 900 applicants around the world.



Poznań Leader of Entrepreneurship

We have received a distinction award in the Poznań Leader of Entrepreneurship competition.



EnlightED at South Summit

CodeAll was selected as one of the best educational startups from over 500 applications in the EnlightED competition.



50 Most Creative in Business

We won the 14th position in the 8th edition of 50 Most Creative in Business competition.



EduLab

We won the second edition of the EduLab competition as the best educational startup in Poland.



HUAWEI Startup Challenge Poland

CodeAll was selected as one of the top 30 social responsibility startups from Poland.



Infoshare

CodeAll was selected to TOP 30 startups at Infoshare, the biggest Tech Conference in CEE



Pre-orders launching soon by invite only. Sign up for discounted pricing at codeall.fun/invite

Get in touch!



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