The Development of Visual Programing Education Software for Children in Emerging Countries

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1.Background

In September 2015, 17 goals about SDGs(The new Sustainable Development Goals) were set at United Nations Summit. (*1)

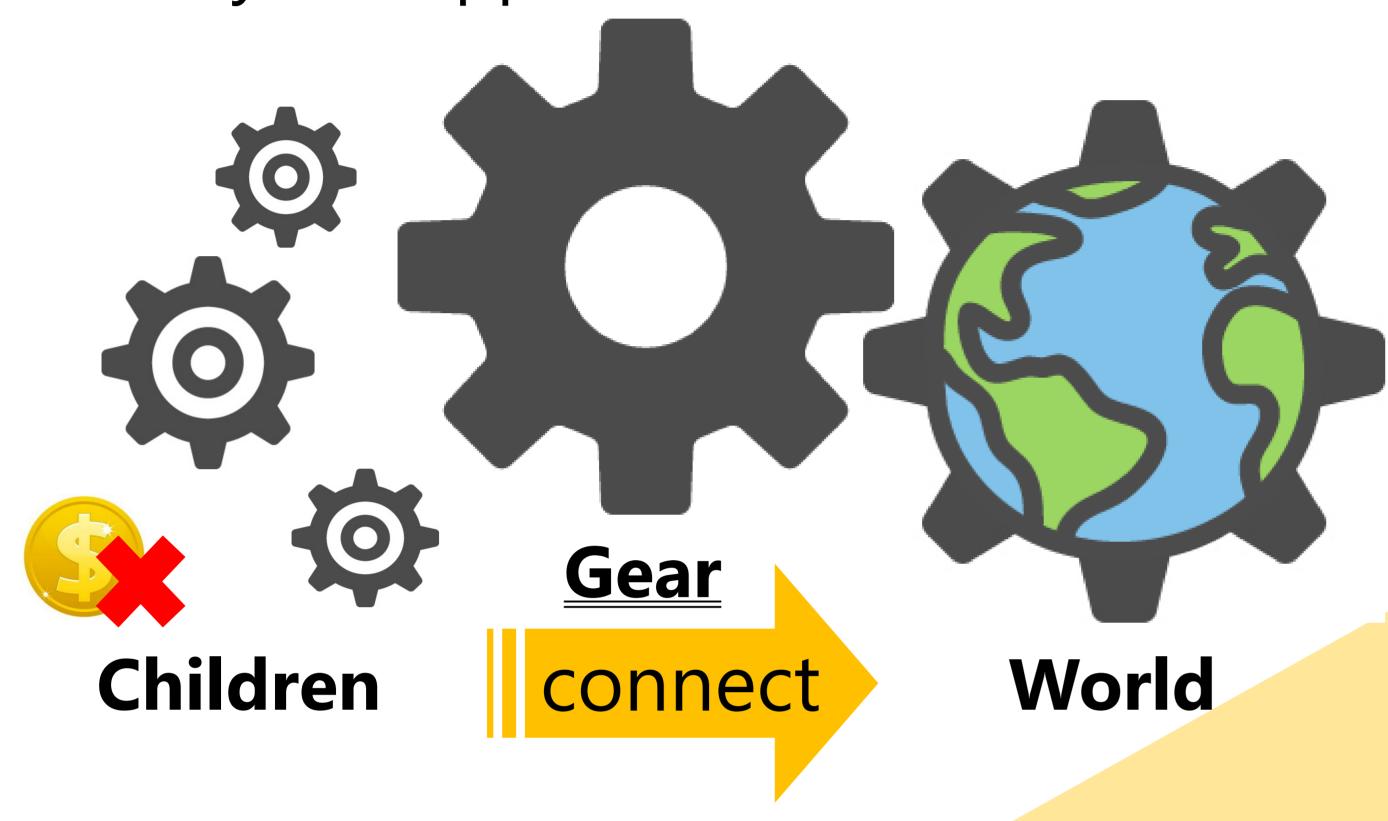
Goal1: End poverty in all its forms everywhere

Goal2: End hunger, achieve food security, improve nutrition

and promote sustainable agriculture ...etc



OWhy this application named Gear?



2.Purpose

To make a visual programing educational application "Gear".

* A new way to solve poverty *

Gear is available in emerging countries. Gear makes it possible to output C language.

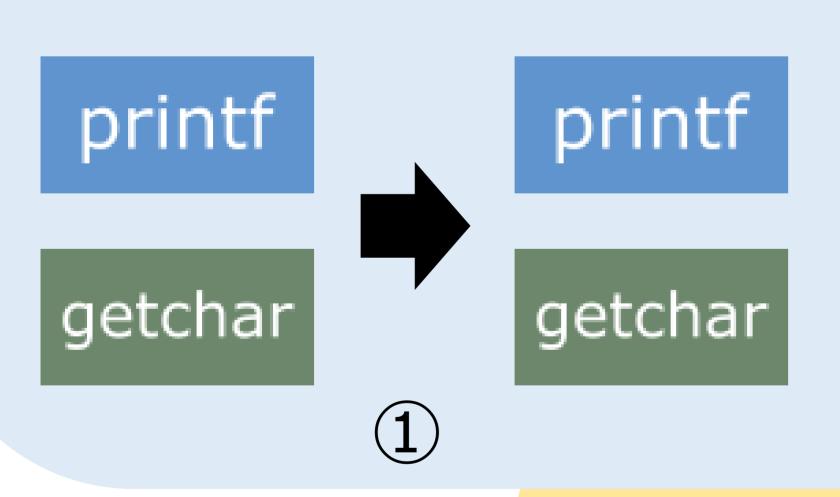


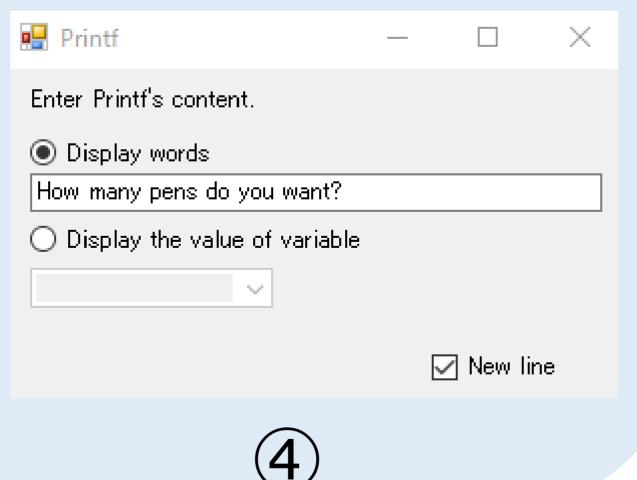
Children in emerging country can learn programing, and find a job by themselves.

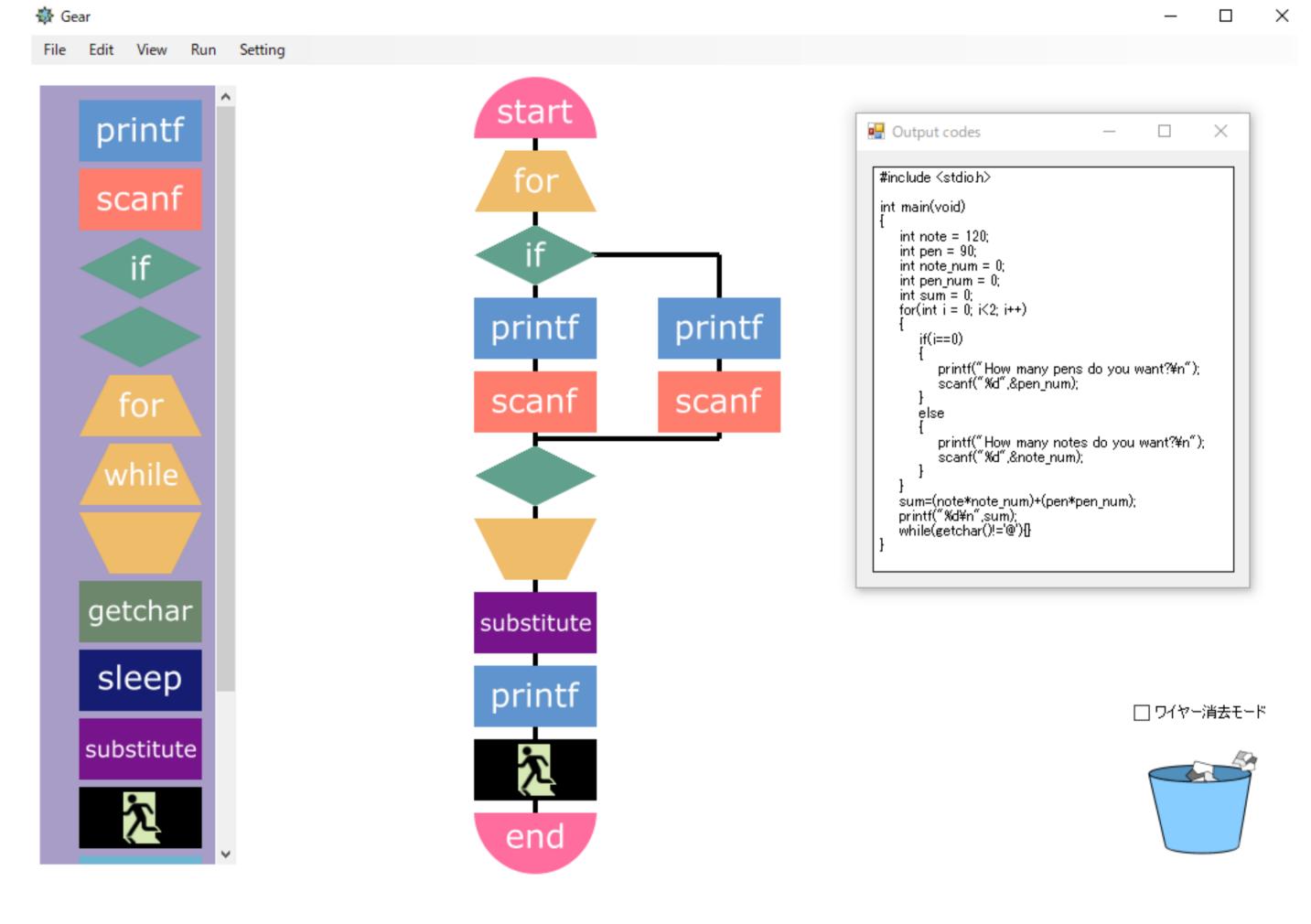
3. About Gear

How to program?

- 1. Copy icons of required elements
- 2). Sort out between START icon and END icon
- (3). Connect each icon with wires
- 4.Input elements necessary information
- **5**.Output the code
- 6.Execute the code







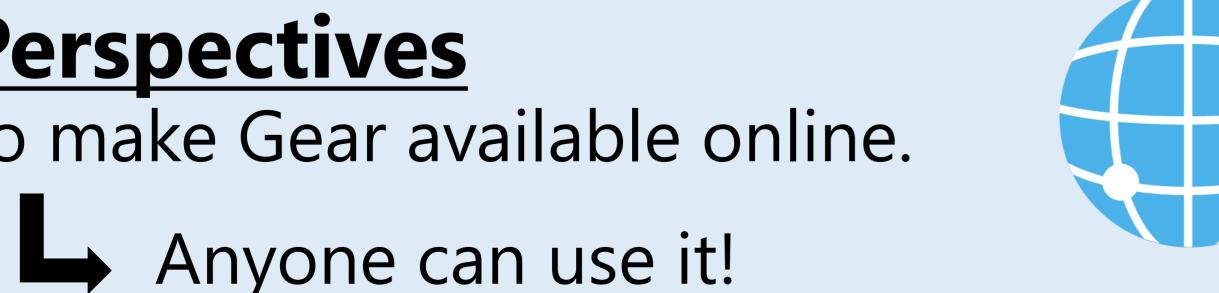
A display on Gear

4.Result

We made the application "Gear" successfully.

5.Perspectives

To make Gear available online.



To make movies and upload them on Youtube.

Anyone can acquire skills without educators!



6. Production environment

Environment: Visual Studio Windows Form Application Programing Language: C#

7.Reference

(*1)URL:http://www.mofa.go.jp/mofaj/gaik o/oda/about/doukou/page23_000779.html Author: Foreign Ministry "SDGs"