Simple 简

Simple · 简, feature-rich set of applications.

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How to run it?
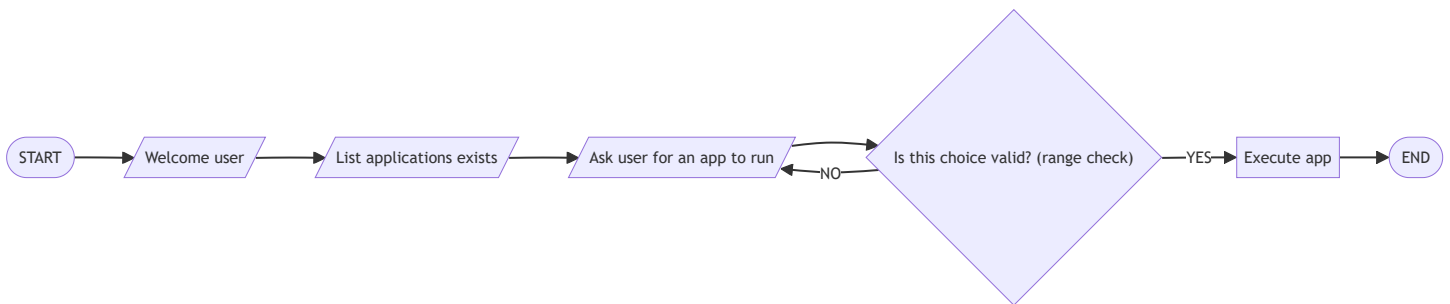
1. Run `pip install httpx`
2. Run `python main.py`

Main Program

Main program, used to execute applications user want to use.

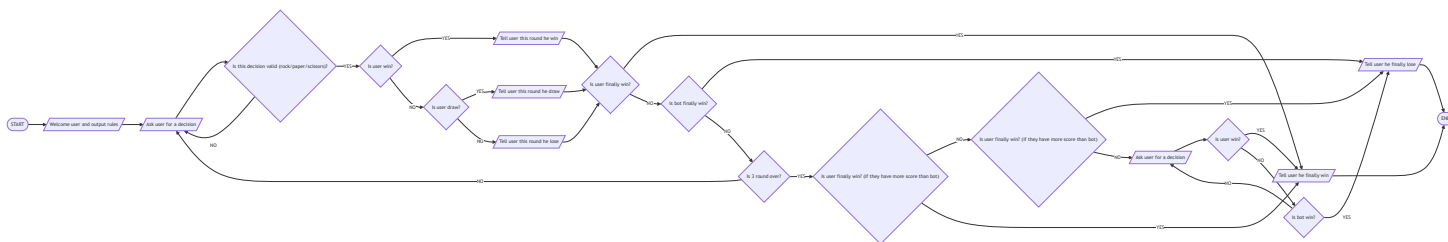File: `main.py`

Flowchart

Rock Paper Scissors

The popular game Rock Paper Scissors around the world.
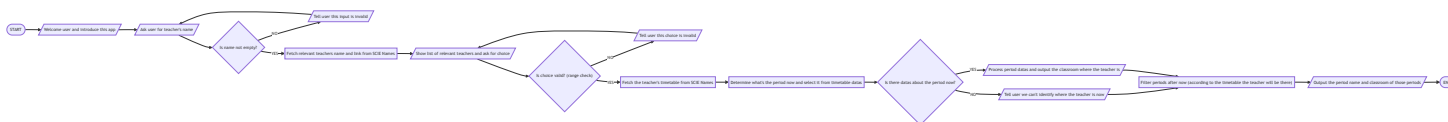
File: `rock_paper_scissors.py`

Flowchart

Where Is My Teacher?

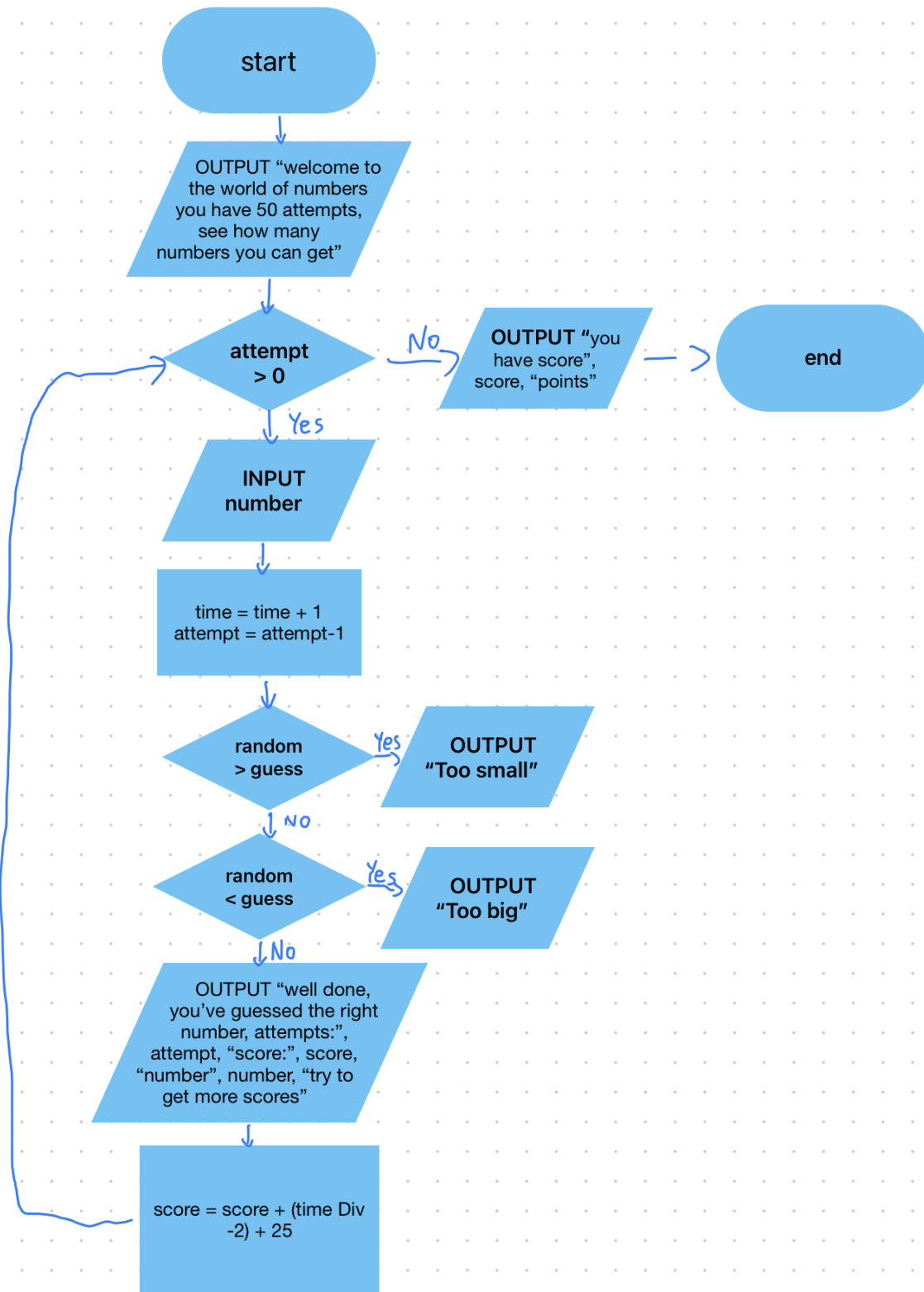Find your teacher at SCIE using advanced technology.

File: `where_is_my_teacher.py`

Flowchart

Guess the number

Flowchart

```mermaid
flowchart TD
    start((start))
    start --> A[/OUTPUT "welcome to the world of numbers you have 50 attempts, see how many numbers you can get"/]
    A --> B{attempt > 0}
    B -->|No| C[/OUTPUT "you have score", score, "points"/]
    C --> D((end))
    B -->|Yes| E[/INPUT number/]
    E --> F[time = time + 1<br/>attempt = attempt-1]
    F --> G{random > guess}
    G -->|Yes| H[/OUTPUT "Too small"/]
    G -->|No| I{random < guess}
    I -->|Yes| J[/OUTPUT "Too big"/]
    I -->|No| K[/OUTPUT "well done, you've guessed the right number, attempts:", attempt, "score:", score, "number", number, "try to get more scores"/]
    K --> L[score = score + (time Div -2) + 25]
    L --> B
```

start

OUTPUT "welcome to the world of numbers you have 50 attempts, see how many numbers you can get"

attempt > 0

No → OUTPUT "you have score", score, "points" → end

Yes

INPUT number

time = time + 1
attempt = attempt-1

random > guess → Yes → OUTPUT "Too small"

No

random < guess → Yes → OUTPUT "Too big"

No

OUTPUT "well done, you've guessed the right number, attempts:", attempt, "score:", score, "number", number, "try to get more scores"

score = score + (time Div -2) + 25

Hangman 101

start

input choice

define hangmanEasy
Start

define hangmanHard
Start

define hangmanCustom
Start

if choice = custom → hangmanCustom
= easy → hangmanEasy
= hard → hangmanHard

user input a guess letter
guessLetter

If hangman has died — yes / no

check if randomword contains guessLetter — yes / no

hangman stage +1

show the output corresponding letter

If the word has been guessed — yes / no

end