

PROBLEM

The Lack of Knowledge in Programming Languages Among IT Students.

Nowadays where technology permeates every aspect of our lives, the demand for proficient programmers is higher than ever. Yet, a concerning trend persists. Many IT students lack the knowledge proficiency in programming languages. Even basic programming language we sometimes forgot the meaning and example of it. This deficiency not only hampers their academic progress but also poses a significant obstacle to their future careers in the tech industry. Additionally, we experienced some limited access to resources, outdated teaching methodologies, and insufficient support from educators further exacerbate the problem.

SOLUTION

We created an App that contains or consist of different types of language in programming, there will be also definition and sample of the following languages so that the students of CICS will know its definition. We also include some quizzes to take or to have some practices on it. There will be a 8 types of programming languages those are HTML, CSS, C++ , Ruby, JavaScript, Python, Java, PHP.

TITLE:

SOLO LEARN

P A C T FRAMEWORK

PEOPLE

STUDENTS OF CICS.

***1ST TO 4TH YEAR
COLLEGE.**

P A C T FRAMEWORK

ACTIVITIES

- **USING THIS APP SO THAT THEY CAN LEARN BASIC CODING SKILLS.**
*BY TRYING TO CODE SOME DIFFERENT PROGRAMMING LANGUAGES.
- **USER-FRIENDLY**
*THIS APP CAN BE USE BY ALL LEVELS.
- **CATEGORY**
*PROGRAMMING LANGUAGES.
*DEFINITION OF PROGRAMMING LANGUAGES.
*BASIC QUIZZES
- **HISTORY**
*PROGRAMMING LANGUAGE HISTORY.

P A C T FRAMEWORK

CONTEXT

THIS CAN BE USE OFFLINE.

THIS CAN BE USE IN ANY PUBLIC PLACES.

THIS CAN BE INSTALL IN THEIR CELLULAR PHONES.

P A C T FRAMEWORK

TECHNOLOGY

ITS SUITABLE USE FOR ALL DIFFERENT LEVEL.

THIS CAN BE USE IN DIFFERENT DEVICES.

FIGMA LAYOUT

MAIN PAGE



FIGMA LAYOUT

QUIZ PAGE

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1. What does HTML stand for?

```
<html>
<head>
  <title>Hello World</title>
</head>
<body>
  <h1>Hellow, World!</h1>
</body>
</html>
```

☐ Hyper Text Markup Language

☐ Hyperlinks and Text Markup Language

☐ Home Tool Markup Language

2. What does CSS stand for?

```
body {
  background-color: lightblue;
}

h1 {
  color: navy;
}
```

☐ Cascading Style Sheets

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☐ Computer Style Sheets

☐ Colorful Style Sheets

```
<?php
    echo "Hello, World!";
?>
```

☐ Hypertext Preprocessor

☐ Hypertext Processor

☐ Home Page Processor

4. What is the output of the following JavaScript code? console.log(3 + 4 + "5");

```
// JavaScript code
console.log (3 + 4 + "5");
```

☐ "75"

☐ "345"

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☐ "7"

☐ "12"

5. Which of the following is not a valid Python data type?

```
# Python code
my_list = [1, 2, 3, 4, 5]
my_dict = {"name": "John",
"age": 30}
```

☐ Tuple

☐ Dictionary

☐ Array

☐ List

6. What does SQL stand for?

```
-- SQL code
SELECT * FROM users WHERE age > 18;
```

☐ Structured Query Language

☐ Sequential Query Language

FIGMA LAYOUT

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☐ Simple Query Language

☐ Standard Query Language

7. What is the output of the following C++ code?

```
C++ code
#include <iostream>
using namespace std;
int main() {
    cout << "Hello, World!";
    return 0;
}
```

☐ Hello, World!

☐ HelloWorld!

☐ No output

☐ Compile-time error

8. What does CSS3 introduce?

```
/* CSS3 code*/
@ media screen and (max-width;
600px) {
    body {
        background-color:
lightblue;
    }
}
```

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☐ Media Queries

☐ Flexbox

☐ Grid

☐ All of the above

9. What is the output of the following Python code?

```
x = 5
y = 3
print(x*y)
```

```
# Python code
x = 5
y = 3
print(x*y)
```

☐ 8

☐ 15

☐ 5

☐ None of the above

8. What does the following SQL query do? SELECT * FROM users WHERE age > 18;

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```
-- SQL code
SELECT * FROM users WHERE age >
18;
```

☐ Selects all users with age greater that 18

☐ Selects all users with age less that 18

☐ Select all users

☐ Selects all users with age equal to 18

→

FIGMA LAYOUT

PROGRAMMING LANGUAGES PAGE

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HTML

HTML (HyperText Markup Language) is the standard markup language for creating web pages and web applications. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

CSS

CSS (Cascading Style Sheets) is a style sheet language used for describing the presentation of a document written in HTML. CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

Ruby

Ruby is a dynamic, reflective, object-oriented, general-purpose programming language known for its simplicity and productivity.

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JavaScript

JavaScript is a programming language that enables interactive web pages and is an essential part of web development.

Python

Python is a high-level, interpreted programming language known for its simplicity and readability, making it great for beginners.

Java

Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible.

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Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible.

PHP

PHP is a server-side scripting language designed primarily for web development but also used as a general-purpose programming language.

C++

C++ is a general-purpose programming language created as an extension of the C programming language. C++ supports imperative, object-oriented, and generic programming features, while also providing facilities for low-level memory manipulation.



THANK YOU