Python Project Overview

Name : Muhammad Tuheed Ahmed

Roll Number : 36820

Email : tuheedahmed55@gmail.com

Project : Decimal to Binary Converter

Project overview,

The goal of this project is to create a Python program that converts decimal numbers to binary. The program will take a decimal input from the user, perform the conversion, and display the binary representation.

Features:

1. User Input: The user enters a decimal number for conversion.
2. Conversion: Convert the decimal number to binary.
3. Output : Display the converted binary representation to the user.

Usage:

1. Run the program.
2. Enter a decimal number.
3. The program will display the binary representation of the entered decimal number.

Example:

Enter a decimal number: 10

The binary representation of 10 is: 1010

GitHub Link:

https://github.com/tuheed55/Bano_Qabil_2.0-Python

Code   Blame   Raw ⧉ ⤓ ✎ ▾ ⟨⟩

```python
1
2
3      # Name           : Muhammad Tuheed Ahmed.
4      # Roll Number   : 36820
5      # Email Address : tuheedahmed55@gmail.com
6
7      # decimal to binary converter.
8
9 ∨ def decimal_to_binary(decimal_num):
10
11     # formula
12         binary_result = ""
13         while decimal_num > 0:
14             binary_result = str(decimal_num % 2) + binary_result
15             decimal_num //= 2
16
17     # apply condition.
18         if not binary_result:
19             binary_result = "0"
20         return binary_result
21
22     # input a decimal number from the user
23     decimal_input = int(input("Enter a decimal number: "))
24
25     # call the function and display the result
26     binary_result = decimal_to_binary(decimal_input)
27     print(f"The binary representation of {decimal_input} is: {binary_result}")
28
```

```python
1
2    # Name            : Muhammad Tuheed Ahmed.
3    # Roll Number    : 36820
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6    # decimal to binary converter.
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8    def decimal_to_binary(decimal_num):
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22   decimal_input = int(input("Enter a decimal number: "))
23
24   # call the function and display the result
25   binary_result = decimal_to_binary(decimal_input)
26   print(f"The binary representation of {decimal_input} is: {binary_result}'
27
```

PROBLEMS 7   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

ode/Project number 2/decimal_to_binary.py"
Enter a decimal number: 25479
The binary representation of 25479 is: 110001110000111
PS C:\Users\M Tuheed Ahmed\Desktop\Vs code>