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CO △ day 2 task nishu.ipynb ☆
                         File Edit View Insert Runtime Tools Help
                   Q Commands + Code + Text
                                                                                                                                                                ( + Code ) ( + Text ) ↑ ↓ ♦ 🖘 🗏 🗓 :
   o num = float(input("Enter a number: "))
  {x}
                                      if num > 0:
                                                 print("The number is positive.")
                                      elif num < 0:
  ©⊒
                                                 print("The number is negative.")
  print("The number is zero.")

→ Enter a number: 5
                                      The number is positive.

    Download GitHub Desktop | Git | X | Q Upload files - 2006nishu/Nishch | X | Q day 2 task nishu.ipynb - Colab | X | © Even Odd Checker Code
    \leftarrow \quad \rightarrow \quad \textbf{C} \qquad \textbf{$^2$} \quad \text{colab.research.google.com/drive/19-H\_GMw\_PmzDBuoMJYYJvd24kbm5EwNC#scrollTo=hpUHTBP8gknt}
                                                                                                                                                                                                                                                                                                                              ☆ 한 보 0 :
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                                                                                                                                                                                                                                                                                                            ■ 🕸 😩 Share 🔸
                 File Edit View Insert Runtime Tools Help
             Q Commands + Code + Text
  a = float(input("Enter first number: "))
b = float(input("Enter second number: "))
c = float(input("Enter third number: "))
                                                                                                                                                                ↑ ↓ + ⇔ 🗏 $ 🖟 🖩 :
                                                                                                                                                                                                                                                Release notes X
                                                                                                                                                                                                                                              Please follow our <u>blog</u> to see more information about new features, tips and tricks, and featured notebooks such as <u>Analyzing a Bank Failure with Colab.</u>
  {x}
                        if a >= b and a >= c:
    max_num = a
elif b >= a and b >= c:
    max_num = b
                                                                                                                                                                                                                                             2025-01-13
                                                                                                                                                                                                                                                   Released version 1.2.0 of the (Open in Colab Chrome Extension).
Released minimizable comments with indicators next to cell.
TPU vSer. Brutimes are now available for selection (tweet).
GPU prices were decreased (tweet).
   ■ SPU prices were decreased (twee Python package upgrades et (wee Python package upgrades et accelerate 1.1.1 > 1.2.1 aiohttp 3.10.10 > 3.11.11 ailtai 4.2.2 > 5.5 0 bigframes 1.25.0 > 1.20.0 cmake 3.30.5 > 3.31.2 cvoxy 1.5.3 > 3.6.0 earthengine-api 1.2.0 > 1.4.3 folium 0.18.0 > 0.19.3 holidays 0.60 > 0.63 huggingface-hub 0.26.2 > 0.27.0 isonjoide 3.4.2 > 4.0.1 kagglehub 0.3.3 > 0.3.5 keras 3.4.1 > 3.50 maylotilib 3.8.0 > 5.75.4 sagfetonsors 0.4.5 > 0.5.0 saffetonsors 0.4.5 >
                                 max num = c
                                                                                                                                                                                                                                               Python package upgrades
                        print(f"The maximum number is: {max num}")
                Enter first number: 5
Enter second number: 6
Enter third number: 5
The maximum number is: 6.0
   <>
  >_

✓ 21s completed at 7:34 PM

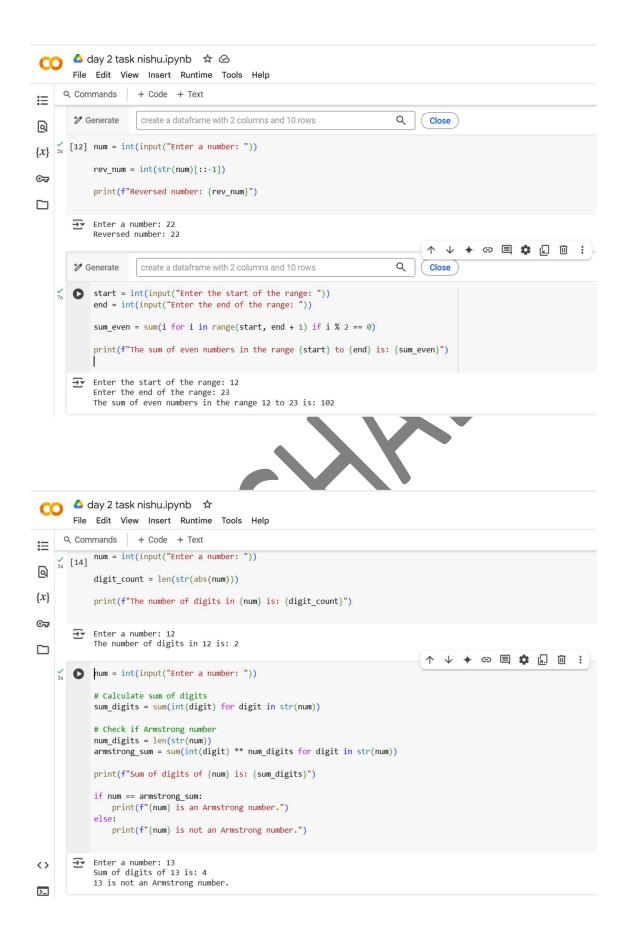
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                                                                                                                                                                                                                                     Q
                        create a dataframe with 2 columns and 10 rows
 Q
{x}  year = int(input("Enter a year: "))
                                    if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
©<del>,</del>
                                                 print(f"{year} is a leap year.")
 print(f"{year} is not a leap year.")
                       ₹ Enter a year: 2003
                                    2003 is not a leap year.
```

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∷
 \bigvee_{4s} [6] n = int(input("Enter a positive integer: "))
             sum_n = n * (n + 1) // 2
{x}
             \label{eq:print}  \text{print}(f\text{"The sum of the first }\{n\} \text{ natural numbers is: } \{sum\_n\}\text{"})
©<del>,</del>

→ Enter a positive integer: 25

             The sum of the first 25 natural numbers is: 325
                                                                                      ↑ ↓ ♦ 🗈 🗏 🛱 🗓 🖽 :
         Start coding or generate with AI.
       🛆 day 2 task nishu.ipynb   🖈
       File Edit View Insert Runtime Tools Help
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                                                                                    ↑ ↓ ♦ © ■ ◘ ♬ Ⅲ :
onum = int(input("Enter a number: "))
            for i in range(1, 11):
{x}
               print(f"{num} x {i} = {num * i}")
©<del>,</del>
        Enter a number: 55
55 x 1 = 55
            55 x 2 = 110
            55 x 3 = 165
            55 \times 4 = 220
            55 x 5 = 275
            55 x 6 = 330
55 x 7 = 385
            55 x 8 = 440
            55 x 9 = 495
            55 x 10 = 550
        🛆 day 2 task nishu.ipynb 🕏 🗘 Saving...
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            num - Inc(Input) Enter a number. //
                                                                                    ↑ ↓ ♦ 🖘 🗏 🔟 :
Q
            factorial = 1
            for i in range(1, num + 1):
    factorial *= i
{x}
            print(f"The factorial of {num} is: {factorial}")
©<del>,</del>

→ Enter a number: 6
            The factorial of 6 is: 720
```



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       File Edit View Insert Runtime Tools Help
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       →▼ 13 1s not an Armstrong number.
Q
    [16] num = int(input("Enter a number: "))
{x}
           rev_num = int(str(num)[::-1])
⊙
           print(f"Number in reverse order: {rev_num}")
₹ Enter a number: 52
           Number in reverse order: 25
                                                                                        ↑ ↓ + ⊕ 🗏 🛱 🗓 🔟 :
       import random
           secret_number = random.randint(1, 100)
             guess = int(input("Guess the number (between 1 and 100): "))
              if guess < secret_number:</pre>
                  print("Too low! Try again.")
              elif guess > secret_number:
                  print("Too high! Try again.")
                  \verb|print(f"Congratulations! You guessed the number {secret_number}.")|\\
                  break
       ••• Guess the number (between 1 and 100): 21
           Too low! Try again.
Guess the number (between 1 and 100): 12
        🛆 day 2 task nishu.ipynb 🖈 🛆
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Q

  [18] rows = int(input("Enter the number of rows: "))
{x}
             for i in range(1, rows + 1):
                print(" " * (rows - i) + "* " * i)
©
₹ Enter the number of rows: 12
       for i in range(1, 11):
                 if i == 5:
                     print("Breaking the loop at", i)
                     break
                 print(i)
        → 1
<>
             Breaking the loop at 5
```

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os [20] for i in range(1, 11):
a
                if i == 5:
                    print("Skipping", i)
{x}
                    continue
                print(i)
೦ಾ
        ₹
2
            3
            4
            Skipping 5
            7
            8
            9
            10

  [21] a = int(input("Enter the first number: "))
            b = int(input("Enter the second number: "))
            while b:
                a, b = b, a \% b
            print(f"The GCD is: {a}")
        ₹ Enter the first number: 41
            Enter the second number: 51
            The GCD is: 1
```

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Q Commands
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            a = int(input("Enter the first number: "))
Q
            b = int(input("Enter the second number: "))
{x}
            # Calculate GCD using the Euclidean algorithm
            def gcd(x, y):
                while y:
©Ţ
                    x, y = y, x \% y
                return x
# Calculate LCM using the formula: LCM(a, b) = (a * b) / GCD(a, b)
            lcm = (a * b) // gcd(a, b)
            print(f"The LCM of {a} and {b} is: {lcm}")
       ₹ Enter the first number: 21
            Enter the second number: 12
            The LCM of 21 and 12 is: 84
```

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    [23] n = int(input("Enter a positive integer: "))

Q
            sum_squares = sum(i ** 2 for i in range(1, n + 1))
{x}
            print(f"The sum of squares of the first {n} natural numbers is: {sum_squares}")
\odot

→ Enter a positive integer: 2

The sum of squares of the first 2 natural numbers is: 5
       prows = int(input("Enter the number of rows: "))
            for i in range(1, rows + 1):
    print(" " * (rows - i), end="")
                for j in range(1, i + 1):
                    print(j, end=" ")
                print()

→ Enter the number of rows: 36

                                             1 2 3
                                            1 2 3 4
                                           1 2 3 4 5
                                          1 2 3 4 5 6
                                         1 2 3 4 5 6 7
                                        1 2 3 4 5 6 7 8
                                       1 2 3 4 5 6 7 8 9
                                      1 2 3 4 5 6 7 8 9 10
                                     1 2 3 4 5 6 7 8 9 10 11
                                    1 2 3 4 5 6 7 8 9 10 11 12
                                   1 2 3 4 5 6 7 8 9 10 11 12 13
                                  1 2 3 4 5 6 7 8 9 10 11 12 13 14
                                 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
                                1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
                                1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
                              1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
                             1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
                            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
                           1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
                          1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
```