

NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institute under the Affiliation of AKTU, Lucknow) 19, Knowledge Park- II, Institutional Area, Greater Noida (UP) – 201306

An Internship in Python Programming

Submitted To:-

Ms. Jyoti Rani Ms. Pumia Pal At



Presented by:-

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Organizational Introduction



firm that specializes in creating innovative solutions for businesses. They are passionate about technology and believe in the power of software to transform the world. Their internship program is just one of the ways in which they are investing in the future of the industry.

Website: https://codsoftr.in/

Founded 2022



Task

CALCULATOR

Created a Calculator with all basic functionalities and use-cases using Python Programming showcasing My developmental skills. The project emphasizes a simple command line interface, ensuring a simple, neat and clean presentation.

```
print("2. Subtraction")
        print("3. Multiplication")
        print("4. Division")
                     t("Enter choice (1/2/3/4): ")
                                 t("Enter first number: "))
                   result = add(num1, num2)
                elif choice == '2':
                   result = subtract(num1, num2)
                   result = multiply(num1, num2)
                elif choice == '4':
                   result = divide(num1, num2)
                print("Result:", result)
            except ValueError:
                print("Error: Invalid input. Please enter numeric values.")
            print("Error: Invalid choice. Please select a valid operation.")
 / F & 9
 ect operation:
Addition
Subtraction
 Multiplication
Division
ter choice (1/2/3/4): 1
ter first number: 4
ter second number: 5
```



Task 2

Rock-paper-scissor game

Designed an engaging rock paper scissor game using Python.

The user can choose whether to play \the next game or not!

There is also a counter that keeps the track

Of score till the match you played.

```
Run ⊙ Debug Stop ☑ St
              t("2. Paper")
         print("3. Scissors")
         if UC not in ['1', '2', '3']:

print("Invalid choice. Please try again.")
             UCN = 'Rock
          lif UC== '2':
             UCN =
         computer_choice = random.c
          elif computer_choice == '2':
             CCN = 'Paper
         print(f"\nYou chose: {UCN}")
          print(f"Computer chose: {CCN}")
          if UC== computer_choice:
                 nt("It's a tie!")
          elif (UC== '1' and computer choice == '3') or (UC== '2' and computer choice == '1') or (UC== '3' and computer choice == '2'):
             Human_points += 1
             print("You lose!")
         print(f"Scores: You - {Human_points}, Computer - {bot_points}")
                           ut("\nDo you want to play again? (y/n): ").lower()
          f play_again != 'y':
                 nt("Thanks for playing!")
inter your choice (1/2/3): 1
ou chose: Rock
 mputer chose: Scissors
  res: You - 1, Computer - 0
```



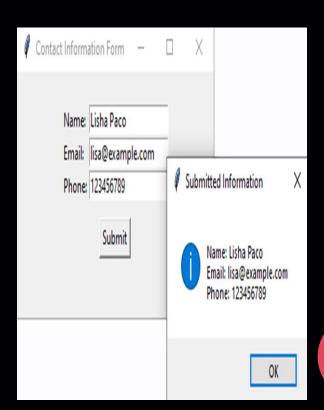
Task 3

CONTACT MANAGER

Developed a functional contact manager app using python and it's library tkinter. It can save record, edit existing record, display

pre saved record etc
The appealing user interface from tkinter
provides an efficient interaction between user
and the system.

It can also be connected to a file or database to ensure scalability





The Internship provided me to explore how a developmental approach is taken in the corporate world.

It helped me to learn new techniques and also to explore how github works in the professional world.

These projects also helped me to increase my coding knowledge and gain expertise in Python

The exploration part and the independency of adding features according to myself gave me the liberty to be creative and imaginative.

Overall it was a great experience to learn and develop amazing projects using Python!



CERTIFICATE

C.ID: 2e3da7e



CERTIFICATE

OF COMPLETION
PROUDLY PRESENTED TO

Prakhar Praveen

has successfully completed 4 weeks of a virtual internship program in

Python Programming

with wonderful remarks at CODSOFT from 01/07/2024 to 31/07/2024.

We were truly amazed by his/her showcased skills and invaluable contributions to the tasks and projects throughout the internship.



Founder







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