

Task 1 - To-Do List Application

```
# Python To-Do List Application

tasks = []

def add_task(task):

    tasks.append(task)

def view_tasks():

    for i, task in enumerate(tasks, start=1):

        print(f"{i}. {task}")

def delete_task(task_number):

    if 0 < task_number <= len(tasks):

        tasks.pop(task_number - 1)

    else:

        print("Invalid task number.")

# Example Usage

add_task("Complete Python project")

add_task("Prepare for meeting")

view_tasks()

delete_task(1)

view_tasks()
```

Task 2 - Calculator

```
# Python Simple Calculator
```

```
def calculator():

    num1 = float(input("Enter first number: "))

    operator = input("Enter an operator (+, -, *, /): ")

    num2 = float(input("Enter second number: "))

    if operator == "+":

        print(f"The result is: {num1 + num2}")

    elif operator == "-":

        print(f"The result is: {num1 - num2}")

    elif operator == "*":

        print(f"The result is: {num1 * num2}")

    elif operator == "/":

        if num2 != 0:

            print(f"The result is: {num1 / num2}")

        else:

            print("Error: Division by zero!")

    else:

        print("Invalid operator.")
```

```
# Example Usage
```

```
# calculator()
```

Task 3 - Password Generator

```
# Python Password Generator
```

```
import random
```

```
import string

def generate_password(length):

    if length < 4:

        print("Password length should be at least 4")

        return None

    all_chars = string.ascii_letters + string.digits + string.punctuation

    password = ''.join(random.choice(all_chars) for _ in range(length))

    return password


# Example Usage

password_length = 12

print(f"Generated password: {generate_password(password_length)}")
```