Simple calculator

```
 def add(num1, num2):
    return num1 + num2
def subtract(num1, num2):
    return num1 - num2
def multiply(num1, num2):
    return num1 * num2
def divide(num1, num2):
    return num1 / num2
print("Simple Calculator")
print("1. Add")
print("2. Subtract" )
print("3. Multiply" )
print("4. Divide")
c = int(input("Select operations:"))
n1 = int(input("Enter first number: "))
n2 = int(input("Enter second number: "))
if c == 1:
    print(n1, "+", n2, "=",add(n1, n2))
elif c == 2:
    print(n1, "-", n2, "=",subtract(n1, n2))
elif c == 3:
    print(n1, "*", n2, "=", multiply(n1, n2))

elif c== 4:
    print(n1, "/", n2, "=", divide(n1, n2))
else:
    print("Invalid input")
```

Number Guessing Game:

```
 import random
t = 0
g =10
print("Total Guesses: 10")
low =1
print("The lower range:1")
high = 100
print("The upper range:100 ")
x = random.randint(low, high)
n = int(input("Enter an integer between the given range: "))

while (x != 'n'):
```

```
    if(t<(g-1)):
        if n < x:
            print("The number guessed is low")
            t = t+1
            n = int(input("Enter an integer between the given range: "))
        elif (n > x):
            print("The number guessed is high")
            t = t+1
            n = int(input("Enter an integer between the given range: "))
        else:
            print("The number guessed is right")
            print("Total guesses taken: ", t+1)
            break
    else:
        print("Ran out of tries!")
        break
```

To Do list Applications:

```
tasks = []
def add_task():
    task = input("Enter a task: ")
    tasks.append(task)
    print("Task added!")

def delete_task():
    task_index = int(input("Enter the index of the task to delete: "))
    if task_index < len(tasks):
        del tasks[task_index]
        print("Task deleted!")
    else:
        print("Invalid index!")

def view_tasks():
    if len(tasks) == 0:
        print("No tasks found.")
    else:
        print("Tasks:")
        for index, task in enumerate(tasks):
            print(f"{index}. {task}")

while True:
    print("\n--- To-Do List Menu ---")
    print("1. Add Task")
    print("2. Delete Task")
```

```
print("3. View Tasks")
print("4. Exit")

choice = input("Enter your choice: ")

if choice == "1":
    add_task()
elif choice == "2":
    delete_task()
elif choice == "3":
    view_tasks()
elif choice == "4":
    print("Thank you!")
    break
else:
    print("Invalid choice. Please try again.")
```