

```
# 1. Print Your Name
print("Muhammad Abubakar")

# 2. Sum of Two Numbers
num1 = 5
num2 = 7
sum_result = num1 + num2
print("Sum:", sum_result)

# 3. Even or Odd
number = 4
if number % 2 == 0:
    print("Even")
else:
    print("Odd")

# 4. Find the Largest Number
a, b, c = 15, 22, 9
largest = max(a, b, c)
print("Largest:", largest)

# 5. List of Squares
print("Squares from 1 to 10:")
for i in range(1, 11):
    print(f"{i}^2 = {i**2}")

# 6. Count Vowels in a String
text = "Hello World"
vowels = "aeiouAEIOU"
count = sum(1 for char in text if char in vowels)
print("Number of vowels:", count)

# 7. Reverse a String
original = "Python"
reversed_string = original[::-1]
print("Reversed String:", reversed_string)

# 8. Simple Calculator Function
def calculator(a, b, operator):
    if operator == '+':
        return a + b
    elif operator == '-':
        return a - b
    elif operator == '*':
        return a * b
    elif operator == '/':
        return a / b
    else:
        return "Invalid operator"

print("Calculator Result:", calculator(10, 5, '*'))

# 9. Check Prime Number
```

```
def is_prime(n):
    if n <= 1:
        return False
    for i in range(2, int(n**0.5)+1):
        if n % i == 0:
            return False
    return True
```

```
print("Is 17 prime?", is_prime(17))
```

```
# 10. Fibonacci Sequence
```

```
def fibonacci(n):
    a, b = 0, 1
    sequence = []
    for _ in range(n):
        sequence.append(a)
        a, b = b, a + b
    return sequence
```

```
print("Fibonacci Sequence:", fibonacci(10))
```