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### CREATING LIST
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```
#creating list
my_list = [1, 2, 3, 4, 5, 'hello', 'true']

#print the value of list
print(my_list)

[1, 2, 3, 4, 5, 'hello', 'true']
```

▼ tuples

```
#tuples
my_tuples = (1, 2, 3, 4, 5, 'Nigeria', 'fct abuja', 2, 6, 7)

#print the value of tuples
print(my_tuples)

[1, 2, 3, 4, 5, 'Nigeria', 'fct abuja', 2, 6, 7]
```

▼ SET

```
#creating a value in a set
my_set = {2, 3, 3, 4}
```

▼ displaying the value of set

```
#value of set
print(my_set)

[2, 3, 3, 4]

an_set = {'name', 'number', 'adress', 'ID number', 'organisation'}

print(an_set)

{'ID number', 'organisation', 'name', 'number', 'adress'}
```

▼ DICTIONARIES

```
#writing a dictionary script
my_dic = {'name': 'BLESSING', 'age': '25', 'city': 'Fct Abuja', 'LGA': 'Kuje' }
```

▼ displaying dic

```
#print dic
print(my_dic)

{'name': 'BLESSING', 'age': '25', 'city': 'Fct Abuja', 'LGA': 'Kuje'}
```

▼ CONDITIONAL STATEMENT

```
# a conditional statement
x = 10
```

```

if x > 0:
    print("x is positive")
elif x == 0:
    print("x is zero")
else:
    print("x is negative")

    x is positive

#combining conditions
age = 25
is_student = False

if age < 18:
    print("You are a minor.")
elif age >= 18 and age <= 24 and is_student:
    print("You are a student in college.")
elif age >= 18 and age <= 24:
    print("You are not a student.")
else:
    print("You are an adult.")

    You are an adult.

```

✓ FUNCTIONS

```

#writing a function to add two numbers
def add_numbers(a, b):
    return a + b

#function to greet a person
def greet(name):
    return f"Hello, {name}!"

#function to check if a number is even
def is_even(number):
    return number % 2 == 0

#function to calculate the factorial of a number
def factorial(n):
    if n == 0:
        return 1
    else:
        return n * factorial(n - 1)

#using the defined functions
print(add_numbers(6, 4)) # Output: 10
print(greet("Blessing")) # Output: Hello, Alice!
print(is_even(20)) # Output: True
print(factorial(6)) # Output: 720

10
Hello, Blessing!
True
720

```

