CSI 160 Python Programming

Activity 1: Variables, Data types, Operators

What is the output of the following code? , set= age = 30print("Value:", age) Value 30
print("Type:", type(age)) years_until_retirement = 65 - age # 65-30 print("Years until retirement:", years until retirement) Type: int Ixclass int > Years ontil refirement: 35 print("Value:", temperature) > Value; 72-5 temperature = 72.5 (725-32)*5 19 print("Type:", type(temperature)) float temp fahrenheit to celsius = (temperature - 32) * 5 / 9 39.5 * 5 19 print("Temperature in °C:", temp fahrenheit_to_celsius) 21.94 0 greeting = "Hello, " + name + "!" > Concatination
print(greeting) -> Hello Aliu! is online = True boolean print("Value:", is online,) print("Type:", type(is_online)) can access = is online and (age >= 18) True and True = True. print("Can access content:", can access) Can away content: and of the operand is false the old is false or > if one of the operand in True,

```
(12710) and (87.5)=85)
and not (5 23)

True and True and True

True and True and True
age = 23
years of experience = 5
projects completed = 12
average score = 87.5
is eligible for bonus = (
     (projects_completed > 10)
     and (average score >= 85.0)
     and not (years_of_experience < 3)
)
                                 is_eligible_for_bonus)

Last Trul

False

(4+7) ** 2 (16) 07 = 4 ) and

(16|19) = 4 ) and

num_3

num_1)

(19 (11=0)

True
print("Eligible for bonus?", is eligible for bonus)
num 1 = 4
num 2 = 9
num^{-}3 = 16
complex condition = (
     ((num 1 + num 2) * 2) < num 3
     or ((num 3 // num 2) == num 1)
     )and ((num 2 % num 1) != 0)
                                   Fahre or Fahre and True
print("Complex condition result:", complex condition)
```