**CSI 160 Python Programming**

Activity 1: Variables, Data types, Operators

What is the output of the following code?

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| **age = 30**  **print("Value:", age)**  **print("Type:", type(age))**  **years\_until\_retirement = 65 - age**  **print("Years until retirement:", years\_until\_retirement)** |
| **temperature = 72.5**  **print("Value:", temperature)**  **print("Type:", type(temperature))**  **temp\_fahrenheit\_to\_celsius = (temperature - 32) \* 5 / 9**  **print("Temperature in °C:", temp\_fahrenheit\_to\_celsius)** |
| **name = "Alice"**  **print("Value:", name)**  **print("Type:", type(name))**  **greeting = "Hello, " + name + "!"**  **print(greeting)** |
| **is\_online = True**  **print("Value:", is\_online,)**  **print("Type:", type(is\_online))**  **can\_access = is\_online and (age >= 18)**  **print("Can access content:", can\_access)** |

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| **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)**  **)**  **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)**    **print("Complex condition result:", complex\_condition)** |