

**University of Humanities and Economics in Lodz**

**COURSE: BASICS OF PROGRAMMING 2 - PYTHON**

**Task TITLE: BASICS OF PROGRAMMING 2 - TASK 1**

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**Task 1. Report from video “…” at address …**

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|  | Explanation of video1.py:  print("Hello, world!"): This displays a message on the screen.  #: A comment. Python ignores everything after this symbol on the same line.    """ ... """: This is a multi-line comment or docstring. It's often used for documentation or  notes across multiple lines.          Explanation of video2.py:  name = "jin": A variable storing a string value.    age = 20: Stores an integer (whole number).    pi = 3.14: Stores a float (decimal number).    is\_cool = True: A boolean value.    input(): Takes user input from the console.    int(...): Converts a string to an integer.    type(...): Shows the data type of a variable.            .  Explanation of video3.py:  if, elif, else: Used to control which block of code runs based on conditions.    >=, ==: Comparison operators. >= means "greater than or equal", == means "equals".    and: Logical operator. Both conditions must be true.    Nested if: An if statement inside another. Used for more detailed checking.                                  Explanation of video4.py:  while: Repeats code as long as the condition is true.    for: Loops over a range or list.    range(3): Generates 0, 1, 2 (3 numbers).    continue: Skips the current loop iteration.    break: Stops the loop completely.    += 1: Increases the value of i by 1.                  Explanation of video5.py:  def: Used to define a function.    greet(): A function with no parameters.    greet(name): A function with a parameter.    return: Sends a result back from a function.    name="Guest": Default parameter. If no name is given, "Guest" is used. |
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