MAGNO SOFTWARE DEVELOPMENT & TRAINING SERVICES

BASIC PYTHON PROGRAMMING

Identification:

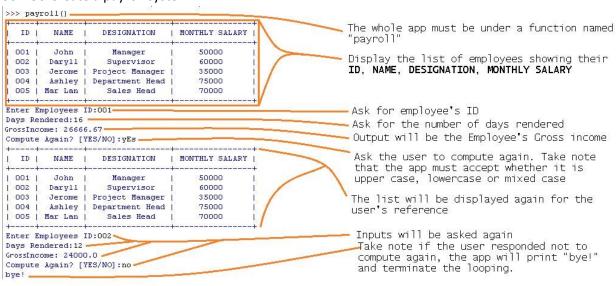
- 1. Allows the programmer to enter the program source code and save it to files.
- 2. Computer **program** that directly executes, i.e. performs, instructions written in a **programming** or scripting language
- 3. Translates the source code to target code.
- 4. Allows programmers to simultaneously run a program and see which source code line is currently being executed.
- 5. Used to evaluate a program's performance

Enumeration:

- 6 10. Development tools of a programmer
- 11 21. Qualities of Python
- 22 25. Basic Concepts
- 26 31. Basic Datatypes
- 32–33. Kinds of Datatypes
- 34. Example of item 32
- 35. Example of item 33

Application:

36 – 50. Create a payroll system:



50 – 65. Create a looping statement that will distinguish odd and even numbers:

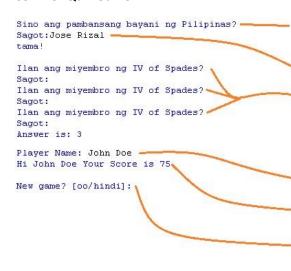
>>> oddEven() From what number would you like to process?1 Up to what number would you like to process?21

There are 10 Even Numbers: 2 4 6 8 10 12 14 16 18 20 There are 11 Even Numbers: 1 3 5 7 9 11 13 15 17 19 21

Ask the user's range of numbers to evaluate

Count the qty of odd and even
Display the said numbers

65 - 75. Quiz Game:



Create 10 Questions. Saved in a dictionary Each Question has its corresponding answer and score. the total must be 175 points.

If the question was answered right, the app must move on the the next question

If the user failed to answer the question, the app must be able to give the user 3 attempts.

After 3 attempts, the app will display the right answer and move on to the next question

THE QUESTIONS MUST BE RANDOM AND MUST NOT DISPLAY AGAIN WHEN ASKED.

After asking 10 questions, the app must ask for the player's name.

The app must return a message containing the player's name and the player's score.

The user wil be asked for a new game.
 oo - Start a new game, reset score
 hindi - display "bye!"

75 – 80. Rock, Paper and Scissors:

[1]Rock, [2]Paper, [3]Scissors
Please choose your weapon:1
You chose ROCK
Computer chose SCISSORS
You Win!
New Game?[YES/NO]:yes
[1]Rock, [2]Paper, [3]Scissors
Please choose your weapon:3
You chose SCISSORS
Computer chose ROCK
You Lose!
New Game?[YES/NO]:yes
[1]Rock, [2]Paper, [3]Scissors
Please choose your weapon:3
draw!
New Game?[YES/NO]:no

Show what the user chose
Randomize computer's option then show it

Display the game's result

Ask if the user wants to play again.

Show the option where the user needs to choose for a weapon

81 – 100: Compile all of these to one main app:

Welcome to our Portal [1] Payroll [2]Odd and Even Processor [3] Games 👡 If the user chose "Games", What would you like to use? 3 sub menu will ask the user [1] Quiz game [2]Rock Paper and Scissors which game to play. What game would you like to play? [1]Rock, [2]Paper, [3]Scissors Please choose your weapon:1 You chose ROCK Computer chose SCISSORS You Win! New Game?[YES/NO]:no Welcome to our Portal Everytime the user exits in each option, the user will [1] Payroll [2]Odd and Even Processor [3] Games have a chance to access the What would you like to use? main menu

Note:

The syntax must be provided with comments describing the code that was written. Failure to explain the code written will void the whole output.

Good Luck Guys!