In-Class Exercise - Python Print Exercises (Save As: inputarea.py)

INSTRUCTIONS: Write a program to do the following:

Exercise #1: Calculate Weekly Pay

#Write a Comment – The following code will …..

- Print("Weekly Pay")
- Write an input statement that will prompt the user to enter an employee name. Assign to the variable empName.
- Write an input statement that will prompt the user to enter hourly rate. Assign to the variable hrRate.
- Write an input statement that will prompt the user to enter hours worked. Assign to the variable hours.
- Use the variable weekPay, calculate Weekly Pay.
- *OUTPUT as follows:*

Employee Name: _____

Hourly Rate: _____

Hours Worked: _____

Weekly Pay: _____

Exercise #2: Calculate Simple Interest

#Write a Comment – The following code will …..

- Print("Weekly Pay")
- Write an input statement that will prompt the user to enter a principal amount. Assign to the variable principal.

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- **Write an input statement that will prompt the user to enter a rate. Assign to the variable rate.**
- **Write an input statement that will prompt the user to enter a time period in years. Assign to the variable time.**
- **Use the variable simpleInterest, calculate Simple Interest (Use the Internet to search for the formula).**
- ***OUTPUT as follows:***

Principal: _____

Rate: _____

Time: _____

Simple Interest: _____

Exercise #3: Calculate the following Areas.

#Write a Comment – The following code will …..

- **Print("Area of a Rectangle")**
- **Write an input statement that will prompt the user to enter a value for width. Assign to a variable of your choice.**
- **Write an input statement that will prompt the user to enter a value for height. Assign to a variable of your choice**
- **Create a variable recArea that will multiply recWidth and recHeight.**
- ***OUTPUT as follows:***

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Width: _____

Height: _____

Area: _____

#Write a Comment – The following code will …..

- **Print("Area of a Triangle")**
- **Write an input statement that will prompt the user to enter a value for a base. Assign to a variable of your choice.**
- **Write an input statement that will prompt the user to enter a value for height. Assign to a variable of your choice.**
- **Create a variable triArea that will use the following formula:**
  (Area of a Triangle = ½ * base * height)
- ***OUTPUT as follows:***

Base: _____

Height: _____

Area: _____