

Day 1 of Python Assignment Answers -

1. Write a Python program to print "Hello Python"?

```
print("Hello Python")
```

In this program, we simply use the print() function to print the string "Hello Python" to the console.



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2. Write a Python program to do arithmetical operations addition and division.?

```
a = 10
b = 5

addition = a + b
division = a / b

print(f"The sum of {a} and {b} is {addition}.")
print(f"The division of {a} by {b} is {division}.")
```

In this program, we first define two variables `a` and `b` and assign them the values 10 and 5, respectively.

We then perform the addition operation using the `+` operator and store the result in the `addition` variable. Similarly, we perform the division operation using the `/` operator and store the result in the `division` variable.

Finally, we use the `print()` function to display the results of the addition and division operations in a user-friendly format using f-strings.



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3. Write a Python program to find the area of a triangle.

```
base = float(input("Enter the base of the triangle: "))
height = float(input("Enter the height of the triangle: "))

area = 0.5 * base * height

print(f"The area of the triangle with base {base} and height {height} is {area}.")
```

In this program, we first prompt the user to input the base and height of the triangle using the `input()` function.

We then convert these inputs to float data type using the `float()` function.

Next, we calculate the area of the triangle using the formula $\text{area} = 0.5 * \text{base} * \text{height}$ and store it in the `area` variable.

Finally, we use the `print()` function to display the area of the triangle, along with its base and height, in a user-friendly format using f-strings.



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