**PYTHON ASSIGNMENT-2**

**Q1.** **What should be the output? ( 3 + 4 \*\* 6 - 9 \* 10 / 2 )**

**Ans**

Output will be : 4054.0

**Q2. Let say I have, some string "hello this side regex"**

**Find out the count of the total vowels.**

**vowels - ['a','e','i','o','u']**

**Ans.**

string ="hello this side regex"

vowel\_counts = {}

for vowel in "aeiou":

count = string.count(vowel)

vowel\_counts[vowel] = count

print(vowel\_counts)

Output will be:

{'a': 0, 'e': 4, 'i': 2, 'o': 1, 'u': 0}

**Q3.** **Find out the area of triangle.**

**1/2 \* b \* h (formula of area)**

**- You have to take value from user about the base, & the height.**

**Ans**

base=int(input("Enter the base of the triangle"))

height=int(input("Enter the height of the triangle"))

area=base\*height/2

print(area)

**Q4. Print the calendar on the terminal. If you give the year.**

**- Allow the user to input the year.**

**- Then print calendar of that year.**

**Ans.**

Import os

Year=int(input(“Enter the year”))

os.system(“cal {}”.format(year))

Tried the above code in Redhat Terminal and it gave the required output.

**SUBMITTED BY:**

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