Axiom IoT Batch #04

# Assigment # 02

1. Store a string “PAKISTAN ZINDABAD” in a variable, also calculate the length of string and store it in a variable. Print both variables.

Output:

PAKISTAN ZINDABAD LENGTH OF PAKISTAN ZINDABAD IS 17

2. Store 85 in a variable if it is an unsigned 64-bit number. Also store -550 in a variable if it is 16-bit integer. Print both variables.

Output: 85 -550

3. Store a float 56.6 in a variable if it is a 32-bit float also print the variable.

Output:

56.6

4. Suppose there are two integer numbers 76 and 23. Store both of them in variables with any name and apply following operations on it.

● Addition

● Subtraction

● Multiplication

● Division

● Modulo

Print the answer of all operations.

Output:

x+y = 99

x-y = 53

x\*y = 1748

x/y = 3

x%y = 7

5. Store following values in an array. Print the array and also print the values 150 and 250.

100, 150, 200, 250,300

Output:

[100, 150, 200, 250, 300]

150

250

6. Store following values in a tuple. Print the tuple and also print cloud, 8645 and 65.4. “IoT” , ”AI” , ”Cloud” ,500.65, 8645, 65.4

Output:

("IoT", "AI", "Cloud", 500.65, 8645, 65.4)

Cloud

8645

65.4

7. Write a function that can take 3 integer numbers as argument/parameter and prints the sum of them. Hint: when we call the function add(10,20,30) like this, it prints the sum.

Output:

60

8.Write a function that can take 3 float numbers as argument/parameter and returns the multiplication result of them. Hint: when we call the function multiply(5.6,2.4,10.2) like this, it returns the result. Save that result in a variable and print it.

Output:

137.088

9. Store marks in a variable and print the Grade of student. Marks Range: Greater than 80 - Grade A+ Between 70 and 80 - Grade A Between 60 and 70 - Grade B Between 50 and 60 - Grade C Between 40 and 50 - Grade D Below 40 - Grade F Change value in marks variable to 95, 32 and 62 and show the output.

10. Store year in variable like this (let year = 2019;) and check if the year is leap or not. Hint: Leap Year is exactly divisible by 4.

11. Print even numbers using for loop.

Output:

2,4,6,8,10,12,....

12.Print odd numbers using while loop.

Output:

1,3,5,7,9,11,......

13. Store an integer (any value) in a variable and print the table of that number using any loop. Output: 5 \* 1 = 5 5 \* 2 = 10 5 \* 3 = 15 5 \* 4 = 20 5 \* 5 = 25 5 \* 6 = 30 5 \* 7 = 35 5 \* 8 = 40 5 \* 9 = 45 5 \* 10 = 50