

Date : 27<sup>th</sup> May 2021

# Day - 3- Report

## (Work Summary)

INTERNSHIP AT AKASHTECHNOLABS

### ❖ Day-3 : What we learnt ?

- ✚ Input method
- ✚ Conditional Statements
  - If Statement
  - If...else Statement
  - If...elif...else Statement
  - Nested If Statement
- ✚ Loops
  - While Loop
  - For Loop
  - Nested Loop
- ✚ Break, Continue & Pass Statement

Github Link for day3 task:

<https://github.com/shanibaladhiya/AkashTechnoLab-Internship/tree/main/day3>

## ❖ Tasks:-

1. Calculate average of 5 numbers.
2. Check whether number is even or odd.
3. Take a year and check whether it is leap year or not
4. Take a number and check whether it is zero, positive or negative.
5. Take 2 numbers and display greatest number. (Also check equal number condition)
6. Take a number and find factorial of that number.
7. Write a program to swap 2 numbers using third variable.
8. Take 2 numbers and find smallest number.
9. Take a number check if a number is less than 100 or not. If it is less than 100 then check if it is odd or even.
10. Take a number to print the square of a number if it is less than 10.
11. Take a number and check whether it is zero, positive or negative using nested IF...ELSE statement.
12. Take 3 numbers and find greatest number using nested IF....ELSE statement.
13. Take 3 numbers and find smallest number using logical operator.
14. Write a program to swap 2 numbers without taking third variable.
15. Take starting number and ending number from the user and print following series.

Output:-

Enter starting number : 30

Enter ending number : 0

30

27

24

21

18

15

12

9

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6

3

0

## ❖ Outputs:

### Task-1:

```
AverageOfNumbers x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/AverageOfNumbers.py"
Enter First number :
45
Enter Second number :
25
Enter Third number :
15
Enter Fourth number :
96
Enter Fifth number :
52
Average of 45, 25, 15, 96 and 52 is 46.6.

Process finished with exit code 0
|
```

### Task-2:

```
evenOdd x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/evenOdd.py"
Enter the number :
15
15 is Odd

Process finished with exit code 0
|
```

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```
evenOdd x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/evenOdd.py"
Enter the number :
20
20 is Even
Process finished with exit code 0
```

## Task-3:

```
leapyear x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/leapyear.py"
Enter the year :
2200
2200 is not Leap year.
Process finished with exit code 0
```

```
leapyear x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/leapyear.py"
Enter the year :
2400
2400 is Leap year.
Process finished with exit code 0
```

## Task-4:

```
ZeroPositiveNegative x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/ZeroPositiveNegative.py"
Enter number :
0
0 is Zero
Enter number :
45
45 is Positive
Enter number :
-50
-50 is Negative
Process finished with exit code 0
```

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## Task-5:

```
greater x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/greater.py"
Enter First number :
25
Enter Second number :
32
32 is greater than 25.
-----
Enter First number :
42
Enter Second number :
12
42 is greater than 12.
-----
Enter First number :
12
Enter Second number :
12
12 and 12 is equal.
-----
Process finished with exit code 0
```

## Task-6:

```
factorial x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/factorial.py"
Enter the number :
6
Factorial of 6 is 720.
Process finished with exit code 0
```

## Task-7:

```
swapping x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/swapping.py"
Enter First Number :
45
Enter Second Number :
20
After swapping, First number is 20 and Second number is 45.
Process finished with exit code 0
```

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## Task-8:

```
smallestnum x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/smallestnum.py"
Enter First number :
42
Enter Second number :
42
42 and 42 is equal.
-----
Enter First number :
20
Enter Second number :
25
20 is smaller than 25.
-----
Enter First number :
45
Enter Second number :
12
12 is smaller than 45.
-----
Process finished with exit code 0
|
```

## Task-9:

```
lessThanHundred x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/lessThanHundred.py"
Enter the number :
45
45 is less than 100.
45 is Odd
Process finished with exit code 0
```

```
lessThanHundred x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/lessThanHundred.py"
Enter the number :
60
60 is less than 100.
60 is Even
Process finished with exit code 0
```

```
lessThanHundred x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/lessThanHundred.py"
Enter the number :
105
Enter number which is less than 100.
Process finished with exit code 0
```

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## Task-10:

```
sqOfNumber x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/sqOfNumber.py"
Enter the number :
4
16 is square of 4.
Process finished with exit code 0
```

```
sqOfNumber x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/sqOfNumber.py"
Enter the number :
12
Enter number less than 10.
Process finished with exit code 0
```

## Task-11:

```
ZeroPositiveNegative2 x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/ZeroPositiveNegative2.py"
Enter the number :
0
0 is Zero
-----
Enter the number :
42
42 is Positive
-----
Enter the number :
-45
-45 is Negative
-----
Process finished with exit code 0
```

## Task-12:

```
greatestIn3 x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/greatestIn3.py"
Enter the First number :
45
Enter the Second number :
25
Enter the Third number :
65
65 is Greatest.
Process finished with exit code 0
```

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## Task-13:

```
smallestIn3 x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/smallestIn3.py"
Enter the First number :
45
Enter the Second number :
52
Enter the Third number :
20
20 is Smallest.

Process finished with exit code 0
```

## Task-14:

```
swapping2 x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/swapping2.py"
Enter First number :
45
Enter Second number :
56
After Swapping num1 = 56 and num2 = 45.

Process finished with exit code 0
```

## Task-15:

```
task15 x
"C:\Users\SHANI BALADHIYA\anaconda3\python.exe" "C:/Users/SHANI BALADHIYA/PycharmProjects/Internship/day3_akashlab/task15.py"
Enter Starting point :
30
Enter Ending point :
0
30
27
24
21
18
15
12
9
6
3
0

Process finished with exit code 0
```