

Date : 27th May 2021

Dipen Jakasaniya

:: Day - 3 ::

**** Work Summary ****

- Today it was the third day of our Internship and we were very excited to learn something new.
- In this session many students were asked their doubts and ma'am was trying to solve it.
- Taken by : Devanshi Prajapati

❖ Day-3 : What we have learnt ?

- I/O function
- Functions. (range ())
- Conditional Statements.
 - If statement
 - If...else Statement
 - If...elif...else Statement
 - Nested if statements
- Loops
 - While loop
 - For loop
 - Nested loop
- Break & Continue & Pass Statements

- ✧ This Internship is Task Based Internship. So at the end of this session we got one Task.
- ✧ Github Task-1 Link :- https://github.com/dipen7520/Internship-Akash-Technolabs/tree/main/Day-3_Task-3_15%20basic_tasks

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.

30 27 24 21 18 15 12 9 6 3 0

❖ Output :-

❖ Task - 1 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32/python.exe D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_01_average.py
Enter the number1: 32
Enter the number2: 23
Enter the number3: 45
Enter the number4: 66
Enter the number5: 78
The average is 48.8.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

❖ Task - 2 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32/python.exe D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_02_odd_even.py
Enter the number: 65
65 is a odd.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32/python.exe D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_02_odd_even.py
Enter the number: 22
22 is a even.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

❖ Task - 3 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32/python.exe D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_03_leap_year.py
Enter the year: 2021
2021 year is not a leap year.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32/python.exe D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_03_leap_year.py
Enter the year: 2020
2020 year is a leap year.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 4 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/ay-3_Task-3_15 basic_tasks/pract_04_+ve_-ve.py"-
Enter the number: 33
33 is a positive.
Enter the number: -45
-45 is a negative.
Enter the number: 22
22 is a positive.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 5 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/Hay-3_Task-3_15 basic_tasks/pract_05_greatest_num.py"-
Enter the number1: 15
Enter the number2: 63
63 is greater than 15.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 6 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/ship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_06_factorial.py"-
Enetr the number: 6
Factorial of 6 is a 720.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 7 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python39-6/Scripts/python.exe D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_07_swap_num.py -
Enter the number1: 32
Enter the number2: 45
number1 is 45
number2 is 32
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 8 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python39-6/Scripts/python.exe D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_08_smallest_num.py -
Enter the number1: 54
Enter the number2: 33
33 is smaller than 54.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 9 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python39-6/Scripts/python.exe D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks/pract_09_less_100.py -
Enetr the number: 32
Number is less than 100 and even.
Enetr the number: 96
Number is less than 100 and even.
Enetr the number: 120
Number is greater than 100.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```


✧ Task - 10 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Scripts/python.exe C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Scripts/python.exe ship-Akash-Technolabs/Day-3_Task-3_15 basic_tasks/pract_10_square_number.py"
Enter the number: 65
Number is not less than 10.
Enter the number: 66
Number is not less than 10.
Enter the number: 9
Square of 9 is a 81
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 11 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Scripts/python.exe C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Scripts/python.exe ship-Akash-Technolabs/Day-3_Task-3_15 basic_tasks/pract_11_+ve_-ve_nested.py"
Enter the number: 33
33 is Positive.
Enter the number: -65
-65 is Negative.
Enter the number: 0
0 is Zero.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 12 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Scripts/python.exe C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Scripts/python.exe ship-Akash-Technolabs/Day-3_Task-3_15 basic_tasks/pract_12_greatest_of_3.py"
Enter the number1: 12
Enter the number2: 13
Enter the number3: 14
14 is a greatest number.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 13 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32\python.exe C:/Users/HP/AppData/Local/Programs/Python/Python38-32\Scripts/python C:/Users/HP/AppData/Local/Programs/Python/Python38-32\Scripts/pract_13_smallest_logic.py
Enter the number1: 64
Enter the number2: 12
Enter the number3: 0
0 is a smallest number.
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 14 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32\python.exe C:/Users/HP/AppData/Local/Programs/Python/Python38-32\Scripts/python C:/Users/HP/AppData/Local/Programs/Python/Python38-32\Scripts/pract_14_swap_without_3rd.py
Enter the number1: 63
Enter the number2: 33
number1 is 33
number2 is 63
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```

✧ Task - 15 :-

```
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32\python.exe C:/Users/HP/AppData/Local/Programs/Python/Python38-32\Scripts/python C:/Users/HP/AppData/Local/Programs/Python/Python38-32\Scripts/pract_15_start-end.py
Enter the starting number: 1
Enter the ending number: 3
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> & C:/Users/HP/AppData/Local/Programs/Python/Python38-32\python.exe C:/Users/HP/AppData/Local/Programs/Python/Python38-32\Scripts/python C:/Users/HP/AppData/Local/Programs/Python/Python38-32\Scripts/pract_15_start-end.py
Enter the starting number: -1
Enter the ending number: 6
PS D:\Github\Internship-Akash-Technolabs\Day-3_Task-3_15 basic_tasks> |
```