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## Day -3- Report (Work Summery)

### INTERNSHIP at AkashTechnolabs

- 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 ?

- Get input through user.
- 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.

### ❖ 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/ay-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/ay-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/ay-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/ay-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/ay-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_positve.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/H  
ay-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/Python-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/Python-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/Python-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/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/ship-Akash-Technolabs/Day-3_Task-3_15 basic_tasks/pract_11_positve_nnegative.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/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/ship-Akash-Technolabs/Day-3_Task-3_15 basic_tasks/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/ship-Akash-Technolabs/Day-3_Task-3_15 basic_tasks/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/ship-Akash-Technolabs/Day-3_Task-3_15 basic_tasks/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/ship-Akash-Technolabs/Day-3_Task-3_15 basic_tasks/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>
```