

Internship Program – AkashTechnolabs

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Day-3-Report **(Work Summary)**

INTERNSHIP at AkashTechnoLabs

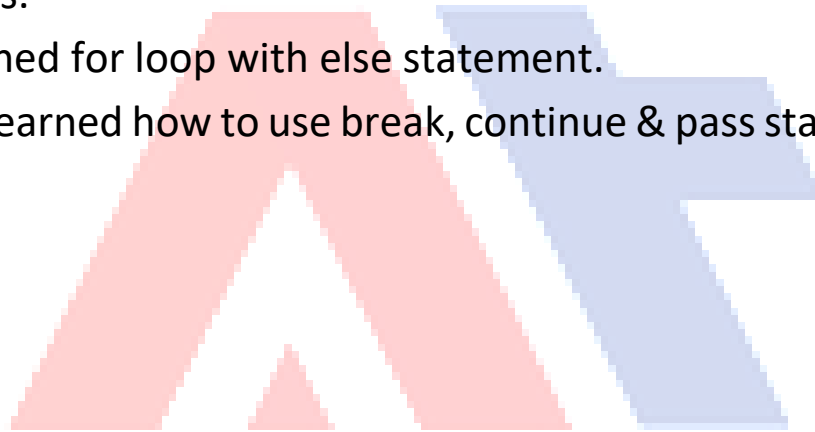
- ❖ Today it was the third day of our Internship and it is very nice.
- ❖ In this session many students were asked their doubts and devanshi ma'am was trying to solve it.
- ❖ Then, ma'am solved doubts of previous day task.
- ❖ Afterwards, ma'am started our topic.

Day-3: What we learnt?

- ✓ First start with input and output functions:
 - input(): function is used to receive input from the console
 - print(): function is used to display output to the console.
- ✓ Then, we learned conditional statements:
 - if Statement
 - if...else Statement
 - if...elif...else Statement
 - Nested if statements
- ✓ Afterwards, we practice some programs on conditional statements like even-odd, positive-negative, greatest number, smallest number etc.

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- ✓ Then, we learned Loops statements:
 - while loop statements
 - for loop statements
 - nested loop statements
- ✓ Practice some programs on loops statements
- ✓ After that, we learned range() function which use for generate sequence of numbers.
- ✓ Then, learned for loop with else statement.
- ✓ After, we learned how to use break, continue & pass statements in loops.



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Tasks: -

GitHub Link:- <https://github.com/kamiyab786/Internship-AkashTechnolabs/tree/main/Day%203/Tasks>

1. Calculate average of 5 numbers.

```
Enter the number1: 100
Enter the number2: 120
Enter the number3: 140
Enter the number4: 160
Enter the number5: 180
The average is 140.0.
```

2. Check whether number is even or odd.

```
Enter the number: 20
20 is a even.
```

3. Take a year and check whether it is leap year or not.

```
Enter the year: 2016
2016 year is a leap year.
```

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4. Take a number and check whether it is zero, positive or negative.

```
Enter the number: 10
10 is a positive.
Enter the number: -10
-10 is a negative.
Enter the number: 0
0 is a zero.
```

5. Take 2 numbers and display greatest number. (Also check equal number condition).

```
Enter the number1: 100
Enter the number2: 200
200 is greater than 100.
```

```
Enter the number1: 100
Enter the number2: 100
100 and 100 are equal.
```

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6. Take a number and find factorial of that number.

```
Enter the number: 10  
Factorial of 10 is a 3628800.
```

7. Write a program to swap 2 numbers using third variable.

```
Enter the number1: 100  
Enter the number2: 200  
number1 is 200  
number2 is 100
```

8. Take 2 numbers and find smallest number.

```
Enter the number1: 100  
Enter the number2: 200  
100 is smaller than 200.
```

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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.

```
Enter the number: 120
Number is greater than 100.
Enter the number: 100
Number is a 100.
Enter the number: 90
Number is less than 100 and even.
```

10. Take a number to print square of a number if it is less than 10.

```
Enter the number: 11
Number is not less than 10.
Enter the number: 10
Number is a 10.
Enter the number: 9
Square of 9 is a 81
```

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11. Take a number and check whether it is zero, positive or negative using nested IF...ELSE statement.

```
Enter the number: 10
10 is Positive.
Enter the number: -20
-20 is Negative.
Enter the number: 0
0 is Zero.
```

12. Take 3 numbers and find greatest number using nested IF....ELSE statement.

```
Enter the number1: 100
Enter the number2: 200
Enter the number3: 150
200 is a greatest number.
```

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13. Take 3 numbers and find smallest number using logical operator.

```
Enter the number1: 100
Enter the number2: 80
Enter the number3: 120
80 is a smallest number.
```

14. Write a program to swap 2 numbers without taking third variable.

```
Enter the number1: 100
Enter the number2: 200
number1 is 200
number2 is 100
```

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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

```
Enter the starting number: 30
```

```
Enter the ending number: 0
```

```
30
```

```
27
```

```
24
```

```
21
```

```
18
```

```
15
```

```
12
```

```
9
```

```
6
```

```
3
```

```
0
```

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