**Day 4: Assignment**

* Wapp to print even and odd numbers
* Wapp to read a string to check if it’s a palindrome
* Wapp to read two strings from user and check if they are anagrams
* Wapp to check leap year (if - else)
* Wapp to display the grade of a student by taking marks as an input (if - else)

e.g. if(marks >90 and marks <80)

print(“grade A”)

* Wapp to generate following pattern

a

b b

c c c

* Wapp to find the sum of first n integers

N = 5

Output: 15

Logic: (1+2+3+4+5=15)

* Wapp to find factorial of a number
* Wapp to find odd number using continue statement

**REFERENCES**

**For control statements**

[**https://www.geeksforgeeks.org/python-if-else/?ref=lbp**](https://www.geeksforgeeks.org/python-if-else/?ref=lbp)

**For videos:**

[**https://youtu.be/3VejIihDfwU**](https://youtu.be/3VejIihDfwU)

[**https://youtu.be/svpgSjXRrzk**](https://youtu.be/svpgSjXRrzk) **(LETSUPGRADE)**

**For Loops**

[**https://www.geeksforgeeks.org/python-for-loops/?ref=lbp**](https://www.geeksforgeeks.org/python-for-loops/?ref=lbp)

[**https://www.geeksforgeeks.org/python-while-loops/?ref=lbp**](https://www.geeksforgeeks.org/python-while-loops/?ref=lbp)

**For videos:**

[**https://youtu.be/sSyCRQx5WM0**](https://youtu.be/sSyCRQx5WM0)

[**https://youtu.be/qvWuPZNOeGg**](https://youtu.be/qvWuPZNOeGg)

[**https://youtu.be/EqeQ9IIzwP4**](https://youtu.be/EqeQ9IIzwP4) **(LETSUPGRADE)**

**For break and continue Statement**

[**https://www.geeksforgeeks.org/python-break-statement/?ref=lbp**](https://www.geeksforgeeks.org/python-break-statement/?ref=lbp)

[**https://www.geeksforgeeks.org/python-continue-statement/?ref=lbp**](https://www.geeksforgeeks.org/python-continue-statement/?ref=lbp)

**For videos:**

[**https://youtu.be/aXGC1fx6QQo**](https://youtu.be/aXGC1fx6QQo)