

**Ojashwi College**  
**BCA – 3<sup>rd</sup> Semester**  
**OOP in Java**

**Lab 1: Data type, Operators and control structures.**

1. Write a program that asks three integer from users and print the greatest one.
2. Write a program to print the following patterns:

i.

```
1
12
123
1234
12345
```

ii.

```
*****
****
***
**
*
```

3. Write a program to show the use of left shift and right shift operator.
4. Write a program to check whether the given number is prime or not.
5. Write a program in java to show:
  - i. addition of two matrices
  - ii. Transpose of a matrix.
6. Write a java program to check whether the given number is palindrome or not.
7. Write a program in java to convert decimal number to binary and binary to decimal.
8. Write a program in java to show the foreach version of for loop to iterate through array.
9. Write a program to show the concept of break, continue and return.
10. Create an array to hold 10 numbers. Print all of the numbers in the array in ascending order.