

# CS6109 - COMPILER DESIGN – LAB

## Week 6 – 27.09.2022

### (Observations)

1. Convert if-else-if statement to switch statement.

```
Input:
if(expression)
{
    statement;
}
else if(expression)
{
    statement;
}
else
{
    statement;
}
```

2. Convert do - while statement to while statement.

```
Input:
int j = 0;
do
{
    j++;
}while(j<=10);
```

3. Convert the arithmetic expression to Boolean expression.

Input	Output
a + b	a    b
c * d	c && d
a + b * e	a    b && e
(a * c) + d	(a && c)    d