

WEEK 15 - Execution (21-12-2021)

1. Validate the given flow of control statement and evaluate the Boolean expression using relational and logical operators.(5)

Input:

```
While (a==b && c==d || e==f) do
if (x <100 || x > 200 && x!=y ) then
    x := x+1;
else
    x:=x-1;
```

2. Convert the infix expression involving '+', '-', '*' and parenthesis to a prefix expression. Other operators need not be considered. Evaluate the given converted expression. (5)

Input:

```
i. (a+b)*(c+d)
ii. a+a*(b-c)+(b-c)*d
iii. b*-c + b*-c
```