WEEK 6 (25.1.19) – EXERCISE

1. Write a lex program to convert the following nested for loop statement to nested do-while statement.
   Input:
```
for ( init; condition; increment ) {
   for ( init; condition; increment ) {
      statement(s);
   }
   statement(s);
}
```

2. Write a lex program to convert the following nested if-else statement to single if-else statement.

```
if(x > y) {
     if(x > z)
          x is greater
     else
          x is not greater
     }
else
     x is not greater
```

3. Write a lex program to convert the following nested do while statement to nested for loop statement.
   Input:

```
do {
   statement(s);

   do {
      statement(s);
   }while( condition );

}while( condition );
```

4. Write a lex program to convert the following nested for statement to single for statement.
   Input:
```
for ( init; condition; increment ) {
   for ( init; condition; increment ) {
      statement(s);
   }
   statement(s);
}
```