## **CSE 402 Online#1 (A1)**

1. Write a prolog program to duplicate the elements of a list a given number of times.

```
?- dupli([a,b,c],3,X).
X = [a,a,a,b,b,b,c,c,c];
false.
```

2. Write a predicate **twosComplement/1** that will take a list as argument. The list will contain a binary number. You have to output the two's complement of the binary number.

```
?- twosComplement([0,0,1]).
1 1 1
true ;
false.
```