

## Programming Languages

### Homework 1

1- Write a function in LISP to accept a list and an atom data and return true if data exists in the list. Otherwise the function should return NIL.

2- What is the equivalent of the following statement in ShortCode language?

$$z=(x+y+z)/(x-15)$$

3- What is the equivalent of the following C codes in PASKAL, ALGOL60, FORTRAN, BASIC and PL/I languages.

```
scanf("%d", &x);  
for (c = 0; c < x; c++) {  
    if (c>20) {  
        printf("%d", c);  
    }  
}
```