

## C3 – Operators and Arrays

### 2. Preparation

- Any fitness variables and constants prefix with "i".
- The float typecast is used since the rand function returns a float and the programming language only likes doing computations with the same variable type.

```
while((y > EPSILON) || (gen < MAX_GEN)){
```

- In the main function there is variation and selection

```
if(ifit < best_ifit){
```

```
void initpop(float *pop, int size) {  
    //for loop in range 0 to size  
    //for each item in the array set it equal to rnd()  
}  
|  
void offspring(float parent, float mutst, float *pop, int size) {  
    //pop[0] is equal to parent  
    //all the other positions in the array are equal to rnd() * mutst  
}
```