

```

main() {
    int A[10], i, x;
    x = read-from-file();
    for (i = 0; i < x; i++) {
        A[i] = 10;
    }
}

```

main:

```

1      subl    $48, %esp
2      %ebx = read_from_file
3      mov %ebx, 44(%esp) //Initializing x
4      movl    $0, 40(%esp) //Initializing i
5      jmp     L2 // jump to condition check
      L3:
6      movl    40(%esp), %eax //load i
7      movl    $10, (%esp,%eax,4) //Reference A[i]
8      addl    $1, 40(%esp) //Increment i
      L2:
9      cmpl    40(%esp), 44(%esp) //compare x and i
10     jl      L3

```

Source Code

Pseudo Assembly Code