

# 1 Mustapha Tidoo Yussif and Jones Dari: Parallel and Distributed computing: Lab Assignment

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algpseudocode algorithm2e
:.....
Procedure One
[1]  $num\_bounds \leftarrow sizeof\_bounds$ 
 $N \leftarrow 1$   $i = 0$   $and i < num\_bounds$ 
Statement
Statement
 $k \leftarrow 0$ 
 $k < N$ 
Statement
Statement
:.....
Procedure Two
State  $N \leftarrow 1$   $i = 0$   $and i < num\_bounds$ 
Statement
Statement
 $k \leftarrow 0$ 
 $k < N$ 
Statement
Statement
:.....
Procedure Three
 $N \leftarrow 1$   $i = 0$   $i < num\_bounds$ 
Statement
Statement
 $lower \leftarrow 0$ 
 $upper \leftarrow N$ 
 $count \leftarrow 0$ 
 $pre\_randint \leftarrow 0$ 
 $k \leftarrow 0$ 
 $k < N$ 
Statement
Statement

```

## 2 The pseudocode above is implemented to create a program that step through the elements in a k-dimensional array that varies during run-time