

Q: Parallelize following code with OpenMP.

```
for (int i = 0; i < n; i++) {  
    temp = array[i] * 2;  
    result[i] = temp; }
```

A. Variable “temp” needs to be private to each thread. So parallel code will be:

```
#pragma omp parallel for private(temp)  
for (int i = 0; i < n; i++) {  
    temp = array[i] * 2;  
    result[i] = temp; }
```

Now, parallelize following code using OpenMP:



Input Sequential code

