# QUESTION 2

```
#include <stdio.h>
#include <stdlib.h>
#include <pthread.h>
int numbers[] = {90, 81, 78, 95, 79, 72, 85};
int size = 7;
float avg;
int min, max;
void *average(void *arg) {
   int *nums = (int *)arg;
   int sum = 0;
   for (int i = 0; i < size; i++) {
      sum += nums[i];
   }
   avg = (double)sum / size;
   pthread_exit(NULL);
}
void *minimum(void *arg) {
   int *nums = (int *)arg;
   min = nums[0];
   for (int i = 1; i < size; i++) {
      if (nums[i] < min) {
         min = nums[i];
      }
   }
   pthread_exit(NULL);
}
void *maximum(void *arg) {
  int *nums = (int *)arg;
   max = nums[0];
   for (int i = 1; i < size; i++) {
      if (nums[i] > max) {
         max = nums[i];
      }
   }
   pthread_exit(NULL);
```

```
}
int main() {
   pthread_t th1, th2, th3;
   pthread_create(&th1, NULL, average, (void *)numbers);
   pthread_create(&th2, NULL, minimum, (void *)numbers);
   pthread_create(&th3, NULL, maximum, (void *)numbers);
   pthread_join(th1, NULL);
   pthread_join(th2, NULL);
   pthread_join(th3, NULL);
   printf("The average value is %.2f.\n", avg);
   printf("The minimum value is %d.\n", min);
   printf("The maximum value is %d.\n", max);
   return 0;
}
```