```c
#include <stdio.h>
#include <stdlib.h>

int main()
{
  int q[100], n, seek = 0, i, cur, prev, j, m, cyl, loc;
  float avg;

  printf("Enter the no. of Cylinders: ");
  scanf("%d", &cyl);
  printf("Cylinders: 0 to %d\n", cyl - 1);

  printf("Enter the Queue Size: ");
  scanf("%d", &m);
  n = m + 1;

  printf("Enter the Queue: ");
  for (i = 1; i < n; i++)
    scanf("%d", &q[i]);

  printf("Enter Current Head Position: ");
  scanf("%d", &cur);
  q[0] = cur;

  printf("Enter Previous Head Position: ");
  scanf("%d", &prev);

  for (i = 1; i < n; i++)
  {
    for (j = 0; j < n - i; j++)
    {
      if (q[j] > q[j + 1])
      {
        int temp = q[j];
        q[j] = q[j + 1];
        q[j + 1] = temp;
      }
    }
  }

  printf("Displaying Requests in Order...\n");
  for (i = 0; i < n; i++)
    printf("%d\t", q[i]);

  for (i = 0; i < n; i++)
  {
    if (q[i] == cur)
    {
      loc = i;
      break;
    }
  }

  if (cur < prev)
  {
    printf("\n\nScanning towards left...then restart at right end\n");
    for (i = loc; i >= 0; i--)
      printf("%d --> ", q[i]);
    printf("0 --> ");
    printf("%d --> ", cyl - 1);
    for (i = n - 1; i > loc; i--)
      printf("%d --> ", q[i]);
    seek = cur + 2 * (cyl - 1) - q[loc + 1];
  }
  else
  {
    printf("\n\nScanning towards right...then restart at left end\n");
    for (i = loc; i < n; i++)
      printf("%d --> ", q[i]);
    printf("%d --> ", cyl - 1);
    printf("0 --> ");
    for (i = 0; i < loc; i++)
      printf("%d --> ", q[i]);
    seek = 2 * (cyl - 1) - cur + q[loc - 1];
  }

  printf("\n\nTotal Seek Distance: %d\t", seek);
  avg = (float)seek / (n + 1);
  printf("\nAverage Seek Distance: %.3f\t", avg);

  return 0;
}
```