**Answer of Section 2 Question1**

public void procedure1(int[] A, int L, int R)

{

int I, J, P, T;

I = L;

J = R;

P = A[(L + R) >> 1];

do

{

Console.WriteLine("Value of i: {0}", I);

I++;

do

{

Console.WriteLine("Value of j: {0}", J);

J--;

if (I <= J)

{

T = A[I];

A[I] = A[J];

A[J] = T;

I++;

J--;

}

if (I <= J)

{

break;

}

} while (A[J] > P);

if (L < J)

{

procedure1(A, L, J);

}

if (I < R)

{

break;

}

} while (A[I] < P);

}