

21/11/2020

Q) WAP to Implement priority queue to add + delete elements.

Ans: #include <stdio.h>

void main()

{ int arr1[100], i, n, p, inval;

printf("Insert new value in sorted array:");

printf("\n");

printf("Input size of array:");

scanf("%d", &n);

printf("Input %d elements in array in asc order");

for (i=0; i<n; i++)

{ printf("element = %d: ", i);

scanf("%d", &arr1[i]);

}

printf("input value to be inserted:");

scanf("%d", &inval);

printf("The exist array list is:");

for (i=0; i<n; i++)

{ printf("%5d", arr1[i]); }

for (i=0; i<n; i++)

{ if (inval < arr1[i])

{ p=i;

break;

}

for (i=n; i>=p; i--)

arr1[i] = arr1[i-1];

arr1[p] = inval;

printf("After Insert, List =");

for (i=0; i<=n; i++)

printf("%5d", arr1[i]);

printf("\n");