Assignment 12

```
#include <stdio.h>
void selection(int arr[], int n)
{
  int i, j, small;
  for (i = 0; i < n-1; i++) // One by one move boundary of unsorted subarray
  {
     small = i; //minimum element in unsorted array
    for (j = i+1; j < n; j++)
    if (arr[i] < arr[small])</pre>
       small = j;
// Swap the minimum element with the first element
  int temp = arr[small];
  arr[small] = arr[i];
  arr[i] = temp;
  }
}
void printArr(int a[], int n) /* function to print the array */
```

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```
{
  int i;
  for (i = 0; i < n; i++)
     printf("%d ", a[i]);
}
int main()
{
  int a[] = { 12, 31, 25, 8, 32, 17 };
  int n = sizeof(a) / sizeof(a[0]);
  printf("Before sorting array elements are - \n");
  printArr(a, n);
  selection(a, n);
  printf("\nAfter sorting array elements are - \n");
  printArr(a, n);
  return 0;
}
```

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