Name: Arfan basha shaik UTAID: 1002260039

	process of swapping:
	Correctness of selection sort:
	-) OFFER WE SING THE MINIMUM
() o	tog sort an array by finding minimum
20	tog sort and array my by finding minimum
0134	Clement repeatedly trom the unsorted
	Portion and swap it to the first of
3/10	theodrisoved Tposition amos 24
1500	of serling tinding the minimum forest
4401	clement and souting It into the co
	960 pm 100 1209
-	
	Initialization:
6	graduces, to contellance and with
	-) In my code (min_index) variable is
	intialized whereinthe so each iteration.
	the algorithm believes that the first
	unsorted element is the minimum. inde.
	one in roth calgorithmirogla of (-
11 1	Scan for the minimum elemention
50	Scan tor the minimum elements
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
odelka adagov v izvada ve izvor o n	-) It scans through unsorted clement to find the minimum element.
and the second second second	to tina the minimum element
	-) Il the minimum element is found
	-) If the minimum element is found then It updates the min-index.
al-strak colored a prior to the transportance of	ENC 11 10 OPGACES SILE

-) It runs the same procedure after

Cach Scan.

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	Process of swapping:	and to the second state of the
	Correctiness of selection sorts	and the second s
	-) after we find the minimum	
Lorreis	element then It is swapped with	the
mimur	runsorted clement where this place	sthe
hody	Smallest Cloment into correct posit	ion
40 00	POYEION and Swap it to the fir	
	-) As same above It maintains to	ne ovde
	of sorting. finding the minimum position	3
	element and sorting It Into the corr Position.	rect
	Position. Story of Eggs	
	Initialization	
	-) Ale Completion of sorting	
ske is	INVAV (XObri_Mim) Show MI (-	91
evaltion	intialized whereinthe so each it	
der	the algorithm believes that booking	
perhan -	the algorithm believes that parished unsorted element is the minimum	
	The I had also it is the ward	1:0

the entire array is sorted after it Completes all the Clements will be in

Correct position.

It scores through amounted emost

to find the minimum sternent

loops:

- -) At the start of each temp. pass.
 of the outer loop the element from left
 to current index ('i') are correctly sorted
- -) this maintains to throughout the algorithm.
- -) When the Outer loop finishes.

 the array is sorted because every element in the array is compared and sorted in the correct position.