Selection Sort

3	5	78	89	456	123	23	9	7	200	308	196	345	6	Legend
														= Swap
		_	Pass 2:	5 is the sec	cond small	est elemei	nt so it is a	already in t	he correct	position				= Sub-sorted arra
3	5	78	89	456	123	23	9	7	200	308	196	345	6	
						Pas	ss 3							
3	5	78	89	456	123	23	9	7	200	308	196	345	6	
						_	_							
	_			450	400		ss 4	_	200		400			
3	5	6	89	456	123	23	9	7	200	308	196	345	78	
						Pas	ss 5							
3	5	6	7	456	123	23	9	89	200	308	196	345	78	
				-				_					_	
							s 6							
3	5	6	7	9	123	23	456	89	200	308	196	345	78	

Pass 7													
3	5	6	7	9	23	123	456	89	200	308	196	345	78
Pass 8													
3	5	6	7	9	23	78	456	89	200	308	196	345	123

DSA Assignment 2 Selection Sort

	Pass 9														
3 5	6 7	9	23	78	89	456	200	308	196	345	123				
				_											
		•		Pas		400	222	222	400	0.45	450				
3 5	6 7	9	23	78	89	123	200	308	196	345	456				
	Pass 11														
3 5	6 7	9	23	78	89	123	196	308	200	345	456				
Pass 12															
3 5	6 7	9	23	78	89	123	196	200	308	345	456				
	Pass 13														
3 5	6 7	9	23	78	89	123	196	200	308	345	456				
Pass 14															
		•	00			400	400	000	000	0.45	450				
3 5	6 7	9	23	78	89	123	196	200	308	345	456				
				Pas	s 15										
3 5	6 7	9	23	78	89	123	196	200	308	345	456				
Final Result After all the passes, the array is sorted in ascending order:															
0 1	2 3	4	5	6	7	8	9	10	11	12	13				
3 5	6 7	9	23	78	89	123	196	200	308	345	456				