VE281 Writing Assignment One

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Ex. 1

step	pivot	0	1	2	3	4	5	6	7	8	9	comment
1	5	5	7	4	1	8	9	2	6	3	10	swap arr[0] and pivot
1	5	5	3	4	1	2	9	8	6	7	10	partition
1	5	2	3	4	1	5	9	8	6	7	10	swap arr[0] and partition pos
2	2	2	3	4	1							swap arr[0] and pivot
2	2	2	1	4	3							partition
2	2	1	2	4	3							swap arr[0] and partition pos
3				3	4							insertion sort arr[2],arr[3]
4	8						8	9	6	7	10	swap arr[5] and pivot
4	8						8	7	6	9	10	partition
4	8						6	7	8	9	10	swap arr[5] and partition pos
5							6	7				insertion sort arr[5],arr[6]
6										9	10	insertion sort arr[8],arr[9]

Ex. 2

step	0	1	2	3	4	5	6	7	8	9
1			032 632	943			446 526		538 738	189 479 379
2			526	032 632 538 738	943 446			479 379	189	
3	032	189		379	446 479	526 538	632	738		943

Ex. 3