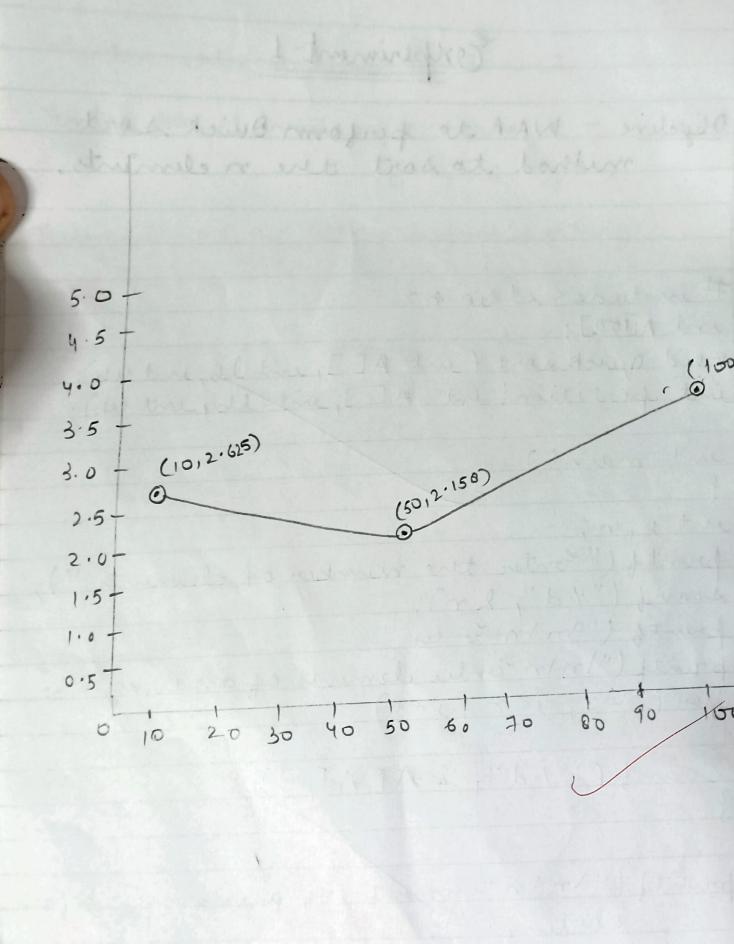
Functer Ale number of elements: 6 Enter to elements of an array: 10 7 6 12 2) Felements of an array before sorting! 10 7 6 12 2 1 Eulement of an array after sorting: 1 2 6 7 10 12

_	POORNIMA
	Experiment 1
	Objective - WAP to perform Quick sort method to sort the nelements,
	## include < stdip. h? int A[100]; void quick sort (int A[], int lb, int ub); int partition (int A[], int lb, int ub);
	int main() { int i, n;
	print ("Genter the number of elements:"); scanf ("1.d", &n); print ("In In Genter elements of an array:");
	Scart ("1.d", & AT. A [i]);
	prints ("In In revlements of an array before sorting!");
1	Page No



POORNIMA for (i=0; i(n; i++) int partition (wint A[], wit lb, wit ub) ent priot, start, end, temp; -pirot = A[lb]; start = Ub; end = us; while 1 start Lend) while [A [start] <= priot] while (A[end] > pirot) if (start Lend) temp - A start]. A [start] = A [end]; Alend = temp; Page No....

POORNIMA temp= A[lb]. A[Us]=A[end]; A[end] = temp jeturn end; quick sort (A,0, m-1); printy (" In In Colements of an array after sorting!"); for (i=0; ixm; i++) printf ("/d/t", A[i]); void quick sort (unt AT) juit 16, uit ub) int loc; if (lb/ub) loc = partition (A, lb, ub)
quickport (A, lb, loc-1) quick sort (A, loc ++, ub); void quick sort [] A tim I tros sing bigs int Noc; (du sall) fr Page No.....

POORNIMA quick sort (A, lb, ub);
quick sort (A, lb, loc-1);
quick sort (A, loc+1, ub);