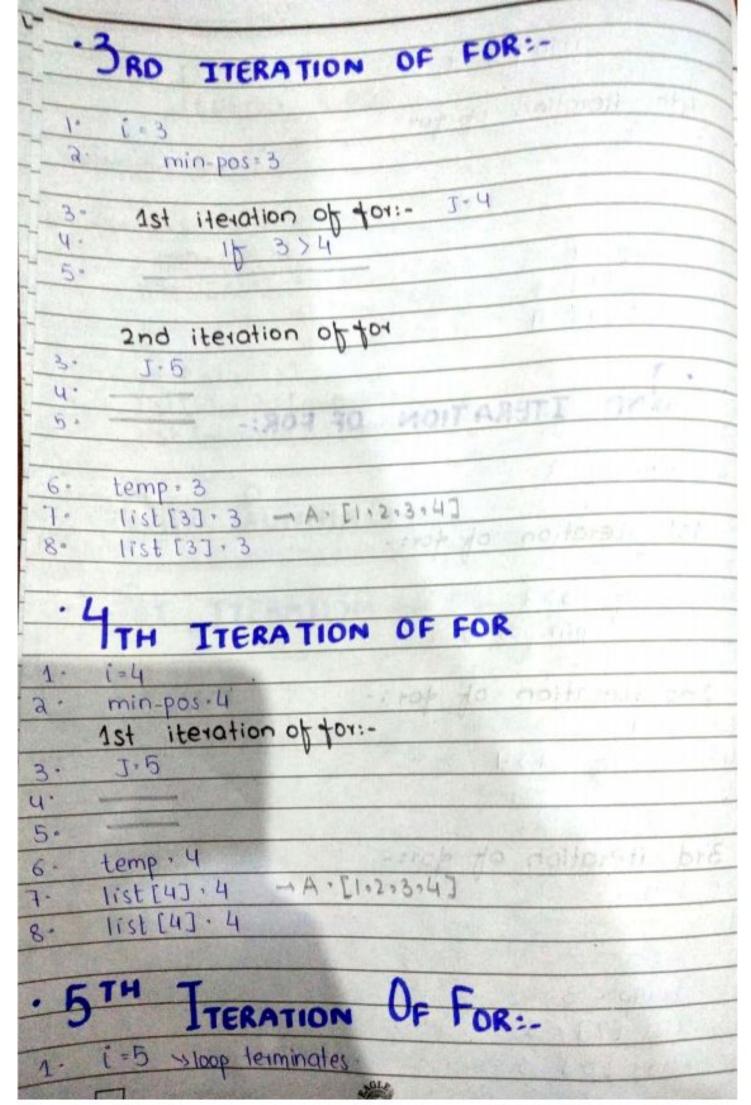
```
SUEDO CODE:-
  Selection Sort (A)
     for i=1 to A-length
          min-pos =i
        for J=i+1 to length of list
2.
                If list [imin-pos] > list []]
3.
4.
                     min-pos= J -10
5.
        temP=list[i]
6.
        List [i] = list [min-pos]
7.
        list [min-pos] = temp
8.
              [4,3,2,1] -> worst case
            TTERATION OF FOR :-
    i=1
    min-pos = 1
          -> 1st iteration of for
4.
              min-pos=2
5.
   2nd iteration of for 3. 1.3
4.
             min-pos = 3
50
       iteration of for
   34d
    T-4
              2>1
         14
```

```
min-pos=4
5.
   4th iteration of for
 3- 1=5
 4.
 5 -
    temp = 4
    list [1] 1
    list [4] = 4 - A. [1, 3,2,4]
          TTERATION OF FOR:-
    1=2
    min-pos = 2
  1st iteration of for:-
3. J.3
           3>2
          min-pos=3
5-
 2nd iteration of for:-
    J.4
     1/ 2/4
4 -
 3rd iteration of dor: -
   7.6
4.
50
   temp :
    list [2] : 32
         [3] · 3 - A · [1 · 2 · 3 · 4]
    list
```



	-1 ,	ion steamency	
ine	Time I not	Steal	(best case)
410		(worst case)	(00)
			100HH10051F1
1	C	n+l	K Im restars
			n - 1 the death and street
2	C	n	2
New St		n 5. 1 . n(n+1)	£ 1 . n(n+1)
3	C	8 J. 1	1-1
			\$3-1. n(n-1)
4	C	£ 3-1 · n(n-1)	7.1
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5	C	\$ 1-1 · n(n-1)	
			(9/00) 1299
6	C	n	
			n had a second
7	C	NI DO THE THE	
in market		n . I de l'Access	n
8	C	n	Page 1
	To make	-1 00001	the rest of the same
published.		10151 Case .	(n-1)+n(n-1)+n+n
T(n)	·cln		2 2
77		2	
	+n		· DISCOSSION:
T(n)		5n+1 +n2+n +n2-	n + n - 1 1
	51 5 65	2 2	
			3 -7
T(n)	· c 10	on+2 +n2 +n+n2 - px-	+0,-0
		2	Contrada de la contrada del contrada del contrada de la contrada del la contrada de la contrada del la con
T(n)	c 3r	12+911+2	Calolin William There are
	Wallest Bear	2	可以是一位。 10 10 10 10 10 10 10 10 10 10 10 10 10 1
ASI			
	SE - SE CONTRACTOR	ale	CONTRACTOR OF THE PARTY OF THE

- + K3
T(n). Kin't K2n + K3
· Discussion:
The cost in worst
· selection son
· selection some quadratically ·
· Worst case time complexity of selection
sout is O(n)
Soft is
. Means that, maximum time which a
· Means that.
(Best case):-
(DCS)
$T(n) \cdot [n+1+n+n(n+1)+n(n-1)+0+n+n+n]$
[11+02+0 +02-07]C
T(n). [sn+1+n2+10 +n2-10]
7 120270 200000
T(n) - [10n+2+2n2]c
the state of the s
T(n). [Kin+ K2(n) + K3] C
· DISCUSSION:-
· selection sout in best case grows ground rationally
. best case time complexity of selection
sort is 12 (n2)
Mana Inal minimum line which a code
· Means that, minimum time which a code
can take