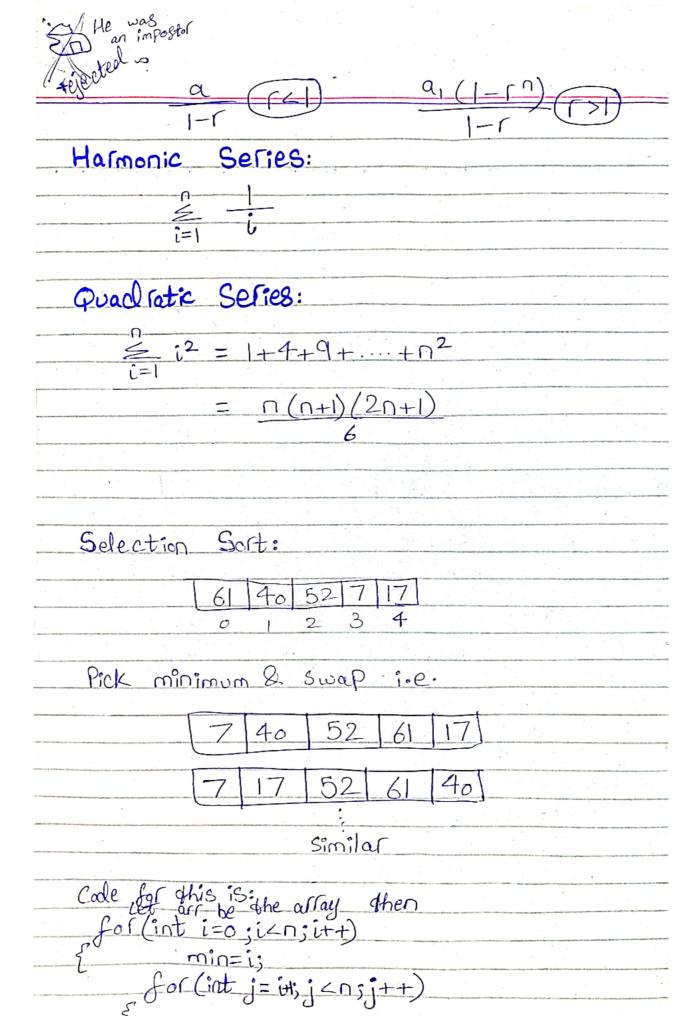
Design & Analysis of Algorithm
In case of any problem:
CtoDC:
1) Identify & write its algo 2) Translate it into Mathematical language (pseudo):
2) Translate it into Mathematical language (pseudon)
3) Analysis Phase
Published Tens C Dans
Running Time Space
In sunning time, terms introduced are:
· Warst-case (Maximum lupping time of
· Worst-case (Maximum running time of an algo on input size)
e.g. let code:
FURC (D)
{ for (i=n; i>1; i)
if (n=100)
Let be inpot size that varies so,
Tworst (1) = Max [T(1)]
그 그 그 것이 그리고 말하다고요요요. [1] (특) 하스, 아스 프라이트 아니고 그 아니다.
· Average-case: Based on Probability
· Average-case: Based on Probability  Tavg (I)=ZP(li) x Ti
Mathematical Tools:
Summation:
Let there is sequence of a, a2, an
Ca
$a_1 + a_2 + \dots + a_n = \sum_{i=1}^n a_i$

**CS** CamScanner



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