## Experiment 2

	Experiment 2
	AA Experiment DATE:
	Kareena Shah
	600.042.102.4.3
	c'32
	C 57
	Aim: To implement hising publish (mandomized algorithms
والمراجعة المراجعة	Theasey:
•	No. of candidates = n
	Cost of interviewing a candidate = Ch
	If the candidate is better than the current assistant, must
	fine the assistant & hime the candidate
	To estimate cost:
	Since all cost candidates must be introviewed, the interview
	cost n is unavoidable
	If m candidates are hired, the hiring cost is much This
	cost vasiles with the input
5 5 6	
	HineAssistant (n)
	best < 0
	for i ← 1 to n
	do întegiview candidate i
	if candidate i is betten than candidate best
	then best — i
	hive candidate i
	Wast Case Analysis:
	- Candidate list is in increasing order of quality i.e.
	candidate i is better than candidate i-1 (1 = i = n)
	B Beat of their continues (1.2)
	FOR EDUCATIONAL USE
	y y
	- Every candidate is hired
	: tileuing cost = OCh
	- h
1	To another the management of the 18al of and 18al of
1	To avoid this, we suandomize the list of candidates

## Code & Output:

```
## Interview of conditates = (9, 1, 2, 3, 4, 5, 6, 7, 8, 9)

## Interview of conditates = (1)

## Randowly select and interview conditates

## For i in rempe(conconditates):

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