COMPUTER SCIENCE AND DA

Data Structures through Python



Queues and Hash Tables

Lecture No. 2





RECAP



Types of Queues > Simple Queue & Insurtion - Pear End

Circular Queue Deletion - Front End

Enqueue)

Dequend

+ Double Endel Query? Insertion & both and.

Priority Queue & Insertion-Rear End
Deletion - Front End
But as the briority



TOPICS TO BE COVERED



roitationsymI

- Simple Quina

- Drawback of Simble Dung

Circular Amus



pulp v stral 9

QUEUE



	Implementation	of simple	e Quene	using Bruh	force approach
	est & be a	simple Que	Him, m	marsize = 5	Engmu (60,21 (Duni full) 2 3 4
del Engin	in (value, B):	Frquu ((10, B) (10, B) (10, B) (10, C) (10, C) (10	8 10 20	30 40 50
ji d	Trans = maxim = 1	Fn - ve.	B[0]=10	Ergum (40, Q1
	print ("Quam i.) where		(20, R1-50)	663	= 3
<u> </u>	o mod ni t O=n	od si No Eno	Nam (30 B)	Enguen	4 (So, B)
بو	1+1c=1c		U(5]=30	J/ =	725.

det Degume (2): if f == None: , F print ("Queue 11 smpty") nrokee [f] B = lov-leb + 7 = Nova JE NOW f = f + 1 sutury del-val

1/ Dedonn (5) 1/2 Dequee(Q) イ もれーのの = の (を) = 20 (1) = 20 f= by f=2 Degram (R) Dequeux (B) delud= @[47=50 des-val= Q[2]= 30 -L= word Dequeur (Q) Degum (B) m-no) = B(3) = 40 Quem in empty

Drawback of simple Quene

f= &x 2 4 nove =>Engueue (60, Q) -> Queur is full

7 Engrum (60,0) -> Rum is full

Diguen (2)

Degmu (B)

Dequen(D)

Degune (Q)

n = 91+1 (linearly)

Solution If in moves
includer way
((incuter amm)



THANK - YOU

