

Lab week 5

Pseudo code

int A[stack size]

front $\leftarrow -1$

rear $\leftarrow -1$

Enqueue(x) {

if (isFull())

printf("stack Overflown");

else if (isEmpty()) {

front \leftarrow rear = 0 }

else {

rear \leftarrow rear + 1

A[rear] \leftarrow x }

Dequeue(x) {

if (isEmpty())

printf("Empty");

else if (front == rear) {

front \leftarrow rear \leftarrow -1 }

else {

x \leftarrow A[front];

front \leftarrow front + 1;

Display() {

if (isEmpty())

printf("Empty stack")

else {

for (i = front ; i <= rear ; i++)

printf("%d");

}