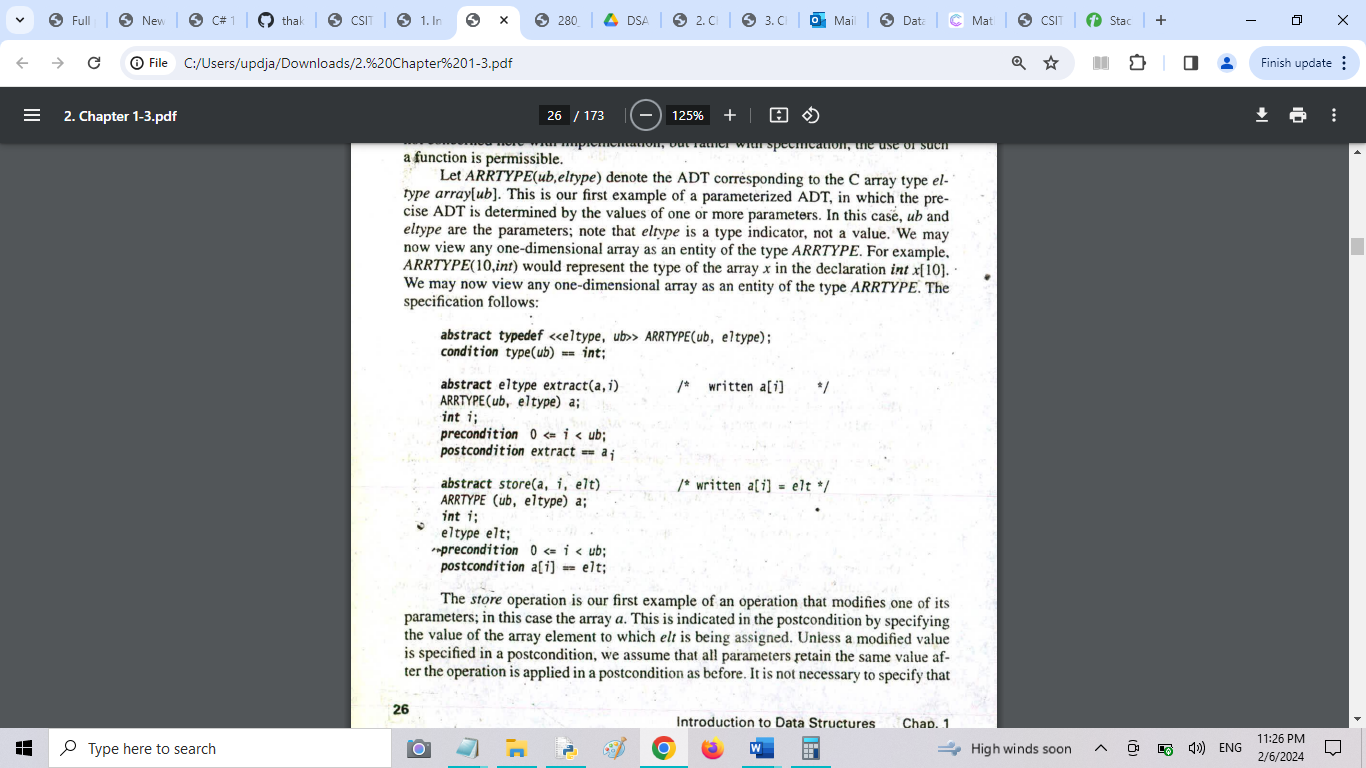


A screen shot of a white board

Description automatically generated

A white board with writing on it

Description automatically generated



#include <stdio.h>

int MAXSIZE = 8;

int stack[8];

int top = -1;

/\* Check if the stack is full\*/

int isfull(){

if(top == MAXSIZE)

return 1;

else

return 0;

}

/\* Function to insert into the stack \*/

int push(int data){

if(!isfull()) {

top = top + 1;

stack[top] = data;

} else {

printf("Could not insert data, Stack is full.\n");

}

}

/\* Main function \*/

int main(){

int i;

#include <stdio.h>

int MAXSIZE = 8;

int stack[8];

int top = -1;

/\* Check if the stack is full\*/

int isfull(){

if(top == MAXSIZE)

return 1;

else

return 0;

}

/\* Function to insert into the stack \*/

int push(int data){

if(!isfull()) {

top = top + 1;

stack[top] = data;

} else {

printf("Could not insert data, Stack is full.\n");

}

}

push(44);

push(10);

push(62);

push(123);

push(15);

printf("Stack Elements: \n");

// print stack data

for(i = 0; i < 8; i++) {

printf("%d ", stack[i]);

}

return 0;

}