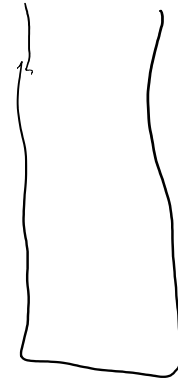


Last time:

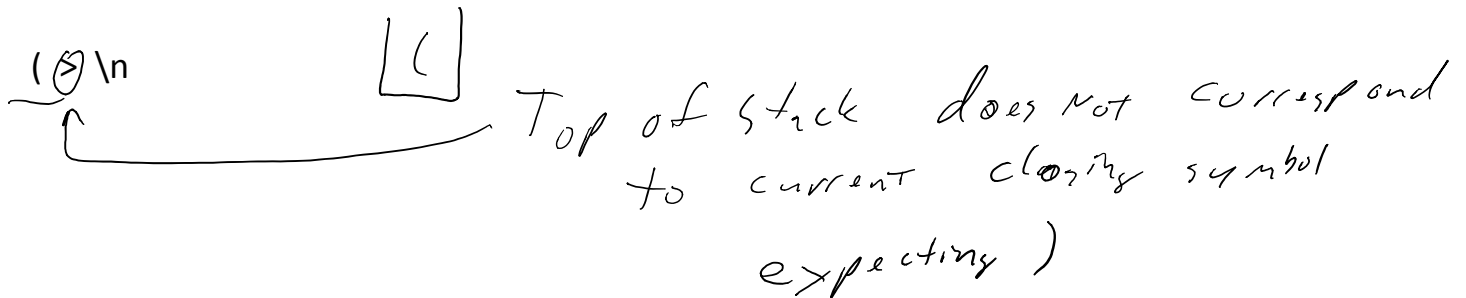
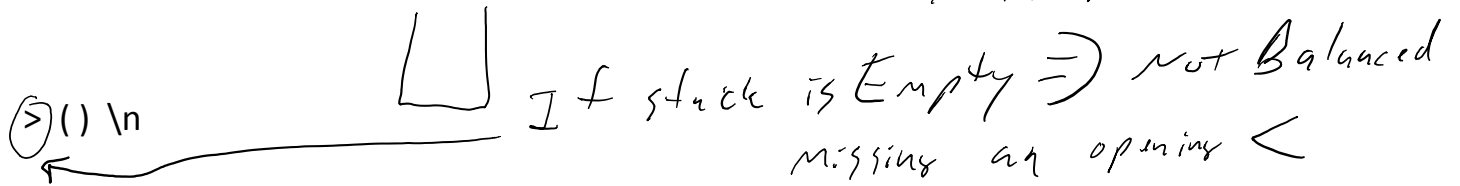
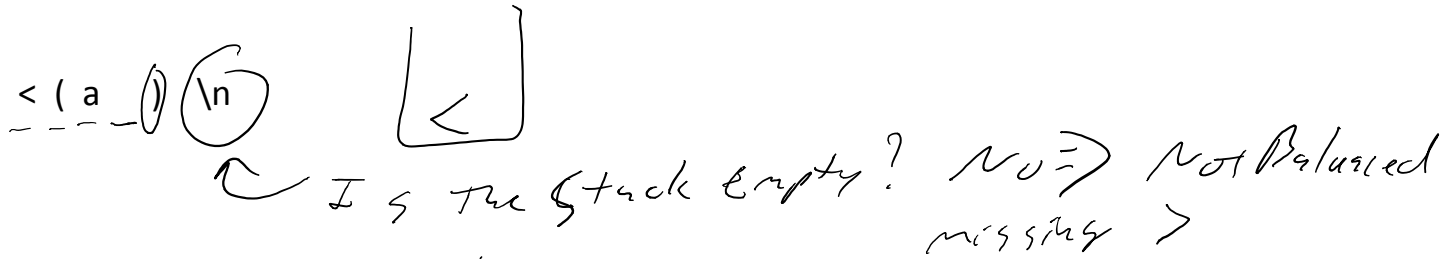
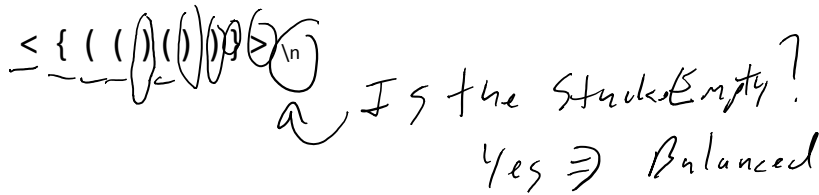
dynamic array growing

This Time:

Doing the same (and more) with functions and structs



For project 2 assume a line of input is :



```

int *darr;
int size = 100;
darr = (int *) malloc (size* sizeof(int) );
int count = 0;
    
```

From <<https://www.cs.uic.edu/pub/CS211/ProjectS18/proj1s18.pdf>>

```

int val;
/* loop until the user enters -999 */
scanf ("%d", &val);
while (val != -999)
    
```

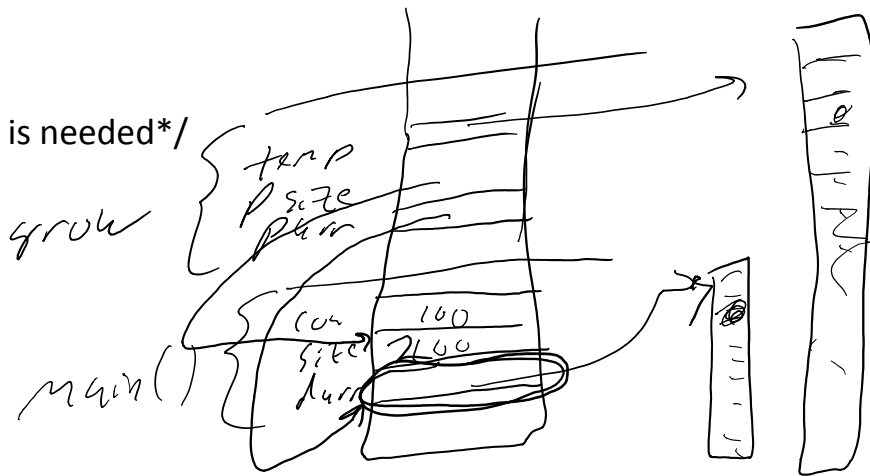


```

, loop until the user enters -999 ,
scanf ("%d", &val);
while (val != -999)
{
  /* CHECK IF ARRAY IS FULL and Grow is needed*/
  if ( count >= size )
    grow ( &darr, &size )

  darr[count] = val;
  count++;
  scanf("%d", &val);
}

```



```

void grow ( int **parr, int *psize)
{
  int *temp = (int*) malloc ( sizeof(int) * *psize * 2 );
  int* tempParr = *parr

```

```

    temp[i] = (*parr)[i];

```

```

    *parr = temp;
    *psize = *psize * 2;

```

```

code for the call: darr = grow (darr, ....);
int* grow ( int *parr, int *psize)

```