

11/3/10

```

int A[10], B[10];
X A = B;

```

```

int soma (int a, int b)
int roman;
roman = soma (7, 8)

```

Produto Contemamos em C

```

struct Data
{
char ano [5]
char mes [3]
char dia [3]
}

```

```

int main ()
{
struct Data data = {"2010", "03", "11"};
data = data;
}

```

↑ Devolver arrays

Módulos em C

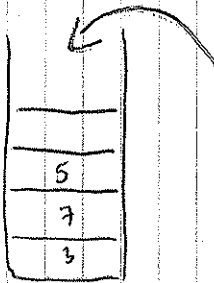
Interface (API)

xxx.h  
↳ header files

Implementação

xxx.c  
módulo.c  
↳ módulo.o  
gcc -c módulo.c

Stack

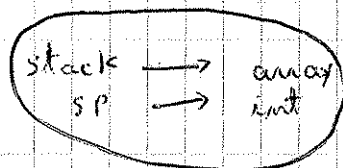


push (5)

pop () - retira um elemento

top () - vê qual o elemento que está no topo

empty () - vê se está vazia



• stack.h

```
#ifndef stack
#define stack

#define MAXSTACK 100
typedef struct sstack
{
    int s[MAXSTACK];
    int sp;
} stack;

int empty (stack s);
int top (stack s);
stack push (stack s, int elem);
stack pop (stack s);

#endif
```

• stack.c

```
#include "stack.h"

int empty (stack s)
{
    if (s.sp == 0)
        return 1;
    else
        return 0;
}
```

```
int top (stack s)
{
    return s.s [s.sp - 1];
}
```