Translate the following C code into ARM

```
//Don't have to translate
#ifndef MAX_H
#define MAX_H

#ifndef __ASSEMBLER__

int max(int, int);
#else
.extern max
#endif

#endif
```

```
#include <stdio.h>
#include <stdlib.h>
#include "max.h"

int a = 5;
short b;
int
main()
{
  b = 20;
  printf("%d\n", max(a, b));
}
```

#include "max.h"
· arch , armv6
· syntax unified

· Section .data // .data
· align 2 // addr A a is a
⇒ ·global a   multiple of 2

a: .word 5 // .word 4 byte
                    ·hword 2 byte
                    · byte 1 byte

· Section .bss //.bss
    · align 1 //   addr ·s a
    ·global b   multiple A 2'

b: .skip 2 // b is 2 byte

```
#include "max.h"
#include <stdio.h>
#include <stdlib.h>
int max(int a, int b){
  if(a > b){
     return a;
  }
  return b;
}
```