Computer Systems Fundamentals

<u>i_love_mips.c</u>

```
#include <stdio.h>

int main(void) {
    printf("I love MIPS\n");
    return 0;
}.
```

i love mips.s

```
main:
    la $a0, string # get addr of string.
    li $v0, 4 # 4 is print string syscall
    syscall
    jr $ra

    .data
string:
    .asciiz "I love MIPS\n"
```

add.c

add 17 and 25 and print result

```
#include <stdio.h>
int main(void) {
   int x = 17;
   int y = 25;
   printf("%d\n", x + y);
   return 0;
}
```

add.simple.c

```
#include <stdio.h>

int main(void) {
        int x, y, z;
        x = 17;
        y = 25;
        z = x + y;
        printf("%d", z);
        printf("\n");
        return 0;
}.
```

add.s

add 17 and 25 and print result

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