

```
#include <unistd.h>
```

```
void print_memory(const void *addr, size_t size)
{
    size_t      i;
    size_t      j;
    unsigned char *p;
    char        *str;

    str = "0123456789abcdef";
    p = (unsigned char *)addr;
    i = 0;
    while (i < size)
    {
        j = 0;
        while (j < 16 && i + j < size)
        {
            write(1, &str[(*(p + i + j)/16) % 16], 1);
            write(1, &str[(*(p + i + j) % 16)], 1);
            if (j % 2)
                write(1, " ", 1);
            j += 1;
        }
        while (j < 16)
        {
            write(1, " ", 2);
            if (j % 2)
                write(1, " ", 1);
            j++;
        }
        j = 0;
        while (j < 16 && i + j < size)
        {
            if (*(p + i + j) >= 32 && *(p + i + j) < 127)
                write(1, p + i + j, 1);
            else
                write(1, ".", 1);
            j += 1;
        }
        write(1, "\n", 1);
        i += 16;
    }
}
```