COP 3223 Sec 2: Spr '21 C Progr   Test 1   (50 points)

1. (7 points) Write down the printed output of this program. Mark your blank chars too.

```
                                    WRITE YOUR OUTPUT BELOW HERE
                                      ONLY THIS WILL BE GRADED

                        ----------------------------------
                       |
            Out Line 1 |
                       |
                       |
            Out Line 2 |
                       |
                       |
            Out Line 3 |
                       |
                       |
            Out Line 4 |
                       |
                       |
            Out Line 5 |
                       |
                       |
            Out Line 6 |
                       |
                       |
```

2. (11 points) Write down the printed output of this program: (no need to mark blanks)

```
                                    IF YOU WISH, YOU CAN ENTER YOUR TRACE BELOW
                                    Prog    |       |       |       | print or
                                    Line # |   a   |   b   |   c   | other action
                                    _____|_____|_____|_____|_____
                                           |       |       |       |
 1.                                        |       |       |       |
 2.                                 _____|_____|_____|_____|_____
 3.                                        |       |       |       |
 4.                                        |       |       |       |
 5.                                 _____|_____|_____|_____|_____
 6.                                        |       |       |       |
 7.                                        |       |       |       |
 8.                                 _____|_____|_____|_____|_____
 9.                                        |       |       |       |
10.                                        |       |       |       |
11.                                 _____|_____|_____|_____|_____
12.                                        |       |       |       |
13.                                        |       |       |       |
14.                                 _____|_____|_____|_____|_____
15.                                        |       |       |       |
16.                                        |       |       |       |
17.                                 _____|_____|_____|_____|_____
18.                                        |       |       |       |
19.                                        |       |       |       |
20.                                 _____|_____|_____|_____|_____
21.                                        |       |       |       |
22.                                        |       |       |       |
23.                                 _____|_____|_____|_____|_____
24.                                        |       |       |       |
25.                                        |       |       |       |
26.                                 _____|_____|_____|_____|_____
27.                                        |       |       |       |
28                                  _____|_____|_____|_____|_____
                                           |       |       |       |
WE GRADE ONLY YOUR FINAL OUTPUT BELOW _____|_____|_____|_____|_____
            |---------------------          |       |       |       |
Outline 1 |                           _____|_____|_____|_____|_____
            |----------------------         |       |       |       |
            |                          _____|_____|_____|_____|_____
Outline 2 |                                  |       |       |       |
            |----------------------    _____|_____|_____|_____|_____
            |                                 |       |       |       |
Outline 3 |                           _____|_____|_____|_____|_____
            |----------------------
            |
Outline 4 |
            |-----------------------
```

3. (18 points) Write down the printed output of this program: (no need to mark blanks)

ASSUME keyboard input IS: 2

```
                                      IF YOU WISH, ENTER YOUR TRACE BELOW
                                      Prog   |      |      |      | print or
                                      Line # |  p   |  i   |  n   | other action
                                      _____|_____|_____|_____|_____
1.                                           |      |      |      |
2.                                    _____|_____|_____|_____|_____
3.                                           |      |      |      |
4.                                    _____|_____|_____|_____|_____
5.                                           |      |      |      |
6.                                    _____|_____|_____|_____|_____
7.                                           |      |      |      |
8.                                    _____|_____|_____|_____|_____
9.                                           |      |      |      |
10.                                   _____|_____|_____|_____|_____
11.                                          |      |      |      |
12.                                   _____|_____|_____|_____|_____
13.                                          |      |      |      |
14.                                   _____|_____|_____|_____|_____
15.                                          |      |      |      |
16.                                   _____|_____|_____|_____|_____
17.                                          |      |      |      |
18.                                   _____|_____|_____|_____|_____
19.                                          |      |      |      |
20.                                   _____|_____|_____|_____|_____
                                             |      |      |      |
                                      _____|_____|_____|_____|_____
                                             |      |      |      |
WE GRADE ONLY YOUR FINAL OUTPUT BELOW _____|_____|_____|_____|_____
                                             |      |      |      |
         _____      _____|_____|_____|_____|_____
        |                             |      |      |      |
Outline 1 |                           _____|_____|_____|_____|_____
        |_____      |      |      |      |
        |                             _____|_____|_____|_____|_____
Outline 2 |                           |      |      |      |
        |_____      _____|_____|_____|_____|_____
        |                             |      |      |      |
Outline 3 |                           _____|_____|_____|_____|_____
        |_____      |      |      |      |
        |                             _____|_____|_____|_____|_____
Outline 4 |                           |      |      |      |
        |_____      _____|_____|_____|_____|_____
        |                             |      |      |      |
Outline 5 |                           _____|_____|_____|_____|_____
        |_____      |      |      |      |
                                      _____|_____|_____|_____|_____
                                             |      |      |      |
                                      _____|_____|_____|_____|_____
```

3

4. (14 points)

Note to student: The instructor and his team wish you the best and hope you do well.