Assignment 4

1.

```
main.c
                                                [] 6
                                                             Run
                                                                       Output
 1 #include <stdio.h>
                                                                      /tmp/zCdzXitRhJ.o
 2 int main()
                                                                      Enter any number less than 9: 7
3 = {
                                                                      Seven
 4
       int n, num = 0;
       printf("Enter any number less than 9: ");
 5
       scanf("%d", &n);
 6
 8
       while(n != 0)
9 +
           num = (num * 10) + (n % 10);
10
11
            n /= 10;
12
13
14
       while(num != 0)
15 -
16
           switch(num % 10)
17 -
           {
18
               case 0:
                   nrintf("7ero ")
10
```

2.

```
main.c
                                                          Run
                                                                     Output
1 #include <stdio.h>
                                                                    /tmp/zCdzXitRhJ.o
2 * int main() {
                                                                    Enter character of arithmetic operation (+, -, *, /): *
3
     double a, b;
                                                                    Enter value of 2 numbers: 6.5
 4
      char op;
                                                                    Multiplication of 6.500000 and 5.000000 is 32.500000
      printf("Enter character of arithmetic operation (+, -, *,
 6
        /): ");
      scanf("%c", &op);
7
 8
      printf("Enter value of 2 numbers: ");
      scanf("%lf %lf", &a, &b);
10
11
12 * switch (op) {
13
      printf("Addition of %lf and %lf is %lf", a, b, a+b);
15
        break;
16
      case '-':
17
18 printf("Subtraction of %lf and %lf is %lf", a, b, a-b);
```

3.

```
[] 6
                                                            Run
 main.c
                                                                      Output
 1 #include <stdio.h>
                                                                     /tmp/zCdzXitRhJ.o
 2 - int main() {
                                                                     Enter the number of rows: 5
    int i, j, rows;
printf("Enter the number of rows: ");
                                                                     1 2
      scanf("%d", &rows);
                                                                     1 2 3
     for (i = 1; i <= rows; ++i) {
 6 +
                                                                     1 2 3 4
 7 +
        for (j = 1; j <= i; ++j) {
                                                                     1 2 3 4 5
      printf("%d ", j);
}
printf("\n");
 8
 9
10
 11 }
 12 return 0;
 13 }
14
```

4.

```
[] 6
                                                                 Output
1 #include <stdio.h>
                                                                /tmp/zCdzXitRhJ.o
2 - int main() {
                                                                7 5 1 4 2
3 int i, j, k, 1;
                                                                5 1 8 4
     int row1[5]= {7, 5, 1, 4, 2};
                                                                2 7 5
    int row2[4]= {5, 1, 8, 4};
int row3[3]= {2, 7, 5};
                                                                3 2
6
    int row4[2]= {3, 2};
8
9 for(i=0; i<5; i++)
10 - {
11     printf("%d ", row1[i]);
13
14 printf("\n");
15
16 for(j=0; j<4; j++)
19
```