# Classwork (To be submitted before 8:30)

**Show the process of the recursion and the output on each question, Use your own Student ID:**

1. void exercise1(int n)

{

if (n > 0) {

printf("%d ", n);

exercise1(n - 1);

}

}

int main()

{

// x will be the third digits of your student id

exercise1(x);

return 0;

}

1. void exercise2(int n)

{

if (n > 0) {

exercise2(n - 1);

printf("%d ", n);

}

}

int main()

{

// x will be the third digits of your student id

exercise2(x);

return 0;

}

1. void exercise3(int n)

{

if (n > 0)

{

printf("%d ", n);

exercise3(n - 1);

exercise3(n - 1);

}

}

int main()

{

// x will be the third digits of your student id

exercise3(x);

return 0;

}

1. . int exercise4(int n)

{

if (n > 20)

return n - 5;

return exercise4(exercise4(n + 2));

}

int main()

{

// x will be the third and fourth digits of your student id(For example if 23543, x will be 54)

exercise4(x);

printf("%d\n", r);

return 0;

}