1.

```
#include <stdo.h>
#include <string.h>
#include <string.h>
#include <string.h>

#include <string.h>

#include <string.h>

#include <string.h>

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#include <string.h>

#include <string.h>

#include <string.h>

#include <string.h>

#include <string.h>

#include <string.h>

#include <string.h>

#include <string.h

#include <istring.h

#include <istr
```

```
Enter a 2-digit number here: 91
You entered: 91
Reverse: 19
PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files>
```

2.

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

// FUNCTION TO REVERSE STRING

void string_reverse(char *inp)
{
    int i, j, len, temp; // i to iterate from the start of string, j to iterate from the end of the string,
    len = strlen(inp);

    j = len - 1; // index of the end of the string
    for(i = 0; i < j; i++)
    {
        temp = inp[i]; // temp equal to the first character of inp
        inp[i] = inp[j]; // inp[i] = the last character of inp
        inp[j] = temp; // inp[j] = first character of inp
        j--;
    }

int main(void)

char number[4];
printf("Enter a 3-digit number here: ");
fgets(number, 4, stdin);

printf("You entered: %s\n", number);
string_reverse(number);
    return 0;
}</pre>
```

Enter a 3-digit number here: 102
You entered: 102
Reverse: 201
PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files>

3.

A)

```
C scratchc > ② main(void)

1  #include <stdio.h>

2  int main(void)

4  {

5  int i = 3;

7  int j = 4;

8  int k = 5;

9  printf("Output: %d", i < j || ++j < k);

11  return 0;

13  |

14  }

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell

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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files> cd "c:\Users\ASUS\Documentoutput: 1

PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files>

Output: 1

PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files>
```

C)

```
#include <stdio.h>

int main(void)

int i = 7;

int j = 8;

printf("Output 1: %d\n", (i = j) || (j == k));

printf("Output 2: %d %d %d", i, j, k);

return 0;

return 0;

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files> cd "c:\Users Output 1: 1
Output 2: 8 8 9

PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files>

PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files>
```

D)

```
#include <stdio.h>

int main(void)

int i, j, k;

i = j = k = 1;

printf("Output 1: %d\n", ++i || ++j && ++k);

printf("Output 2: %d %d %d\n", i, j, k);

return 0;

PROBLEMS (1) OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files>
-o scratch }; if ($?) { .\scratch }
Output 1: 1
Output 2: 2 1 1
PS C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\C Files>
```