Problem description 1: Implement a function intreverse(int n) in C which reverse an integer x and call it from main function.

Sample Input: 12345

Sample Output:
54321

Problem Description: Implement the grading system using switch-case statement in C.

Procedure: Try to write the C code by calling function. Try to understand the problem by seeing the sample input/output given below.

Sample Input:
Enter a number: 72
Sample Output:
The grade is: A-

Hint: Use mathematics (%, /) to shorten the cases.

Problem Description: Implement the function "int function(int x, int y)" which works as follows:

$$function(x, y) = x^y + y^x$$

Procedure: Try to write the C code by calling function. Try to understand the problem by seeing the sample input/output given below.

Sample Input:
Enter the values of x & y: 2 3
Sample Output:
The result is: 17

Problem Description: Implement two functions "int power(int x)" and "int summation(int p)" which work as follows:

$$power(x) = x^x$$

$$summation(p) = 1^1 + 2^2 + \ldots + p^p$$

Use the "power" function inside the "summation" function.

Procedure: Try to write the C code by calling function. Try to understand the problem by seeing the sample input/output given below.

Sample Input:
Enter a value: 3
Sample Output:
The sum of the series is: 32