SCS 1310 - Object Oriented Programming

Tutorial 02

Prepare separate codes for each question.
Take a screenshot that depicting code and result for each question.
Submit a pdf file containing all the screenshots followed by question number.

1) Write a C++ program to declare two integer, one float variables and assign 20, 18, and 14.2 to them respectively. It then prints these values on the screen.

2) Write a C++ program to prompt the user to input 5 integer values and print these values in forward and reversed order.

3) Write a program to prompt the user to input the integral value of ‘a’ and print out the result as shown below.

Result:
The value of a is: 20
.....
The value of ++a is: 21
Now the value of a is: 21
.....
The value of a++ is: 21
Now the value of a is: 22
.....
The value of --a is:21
Now the value of a is:21
.....
The value of a-- is: 21
Now the value of a is: 20

4) Write a C++ program that prompts the user to input three integer values and find the greatest value of the three values.

5) Write a program that will print the following pattern.

1******
12*****
123****
1234***
12345**
123456*
1234567

6) Write a C++ program to sort 10 integer values (reading from keyboard) in ascending and descending order.

7) Write the output for C++ program to formulate a solution to print the square of numbers from 30 to 10?

8) Write a program to calculate the area and volume for a shape.

- The area of sphere= 4*pi*radius* radius
- The Volume of sphere= 3⁄4*pi*radius*radius*radius

Note: pi=3.14

9) Define a function to reverse the values in the given array
Input - Array[7]={4,2,7,5,8,1,6}
Output - Array[7]={6,1,8,5,7,2,4}