**PF Problem Pool Lab 05**

**Note:**

* Don’t Copy, try to solve yourself.
* Adopt programming conventions i.e.
  + Use proper indentations
  + Name of variables should be proper
* Comment your code properly.

**Show the Output:**

1. Assuming we have included required libraries and all, what will be the output of the given code?
   1. int main() { cout >> “Hello World!!!”; return 0;}
2. Assuming we have included required libraries and all, what will be the output of the given code?
   1. int main() {int num1, num2; cout << num1+num2<<endl; return 0;}
3. Assuming we have included required libraries and all, what will be the output of the given code?
   1. int main() {int num1, num2; num3 = num2/num1; cout << num1; return 0;}
4. Assuming we have included required libraries and all, what will be the output of the given code?
   1. void main() { int num ber = 20; cout << “The value is “ << “number” ; }

**Coding Statements:**

1. Write a program that asks for five test scores. The program should calculate the average test score and display it. The number displayed should be formatted in fixed-point notation, with one decimal point of precision. (use of while loop is optional)
2. A bag of cookies holds 40 cookies. The calorie information on the bag claims that there are 10 “servings” in the bag and that a serving equals 300 calories. Write a program that asks the user to input his/her name and how many cookies he or she actually ate and then reports how many total calories were consumed.
3. Write a program to display the following pattern using setw:

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1. Write a program that takes a character from A to Z and convert it into lower-case character. (use type casting)