Assignment 1:

1. Write a program that take two integers from the user and print the results of this equation:

Result = ((num1 + num2) \* 3) – 10

1. Write a program that print your name and your grade in a new line.
2. Write a program for converting temperature from degrees Celsius to degrees Fahrenheit,

given the formula:

9

F = C x

5

+ 32

1. Write a program that reads the radius of a circle and calculates the area and circumference then prints the results.
2. Write a program to print the ASCII value of a character input by the user.
3. Write a program that print the relation between two integer number if those numbers are equal, not equal and which one contain the higher value.
4. Write a program that takes three integers, and prints out the smallest number.
5. Write a program that reads a positive integer and checks if it is a perfect square.
6. Write a program that reads a student grade percentage and prints "Excellent" if his grade is greater than or equal 85, "Very Good" for 75 or greater; "Good" for 65, "Pass" for 50, "Fail" for less than 50.
7. Write a program to make a simple calculator using switch-case. The calculator takes the operation

(+ or – or \* or /) and takes the two input arguments and print the results.

1. Print sum of first 100 integers. (With data validation)
2. Write a program that reads a positive integer and computes the factorial.
3. Write a program that reads a positive integer and checks if it is a prime.
4. Write a program to display English alphabets from A to Z.
5. Write a program to calculate the power of a number. The number and its power are input from user.
6. Write a program to reverse a number.
7. Write a program to count number of digits in a decimal number.
8. Write a program to display half pyramid using stars pattern.

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1. Write a program to display inverted half pyramid using stars pattern.

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1. Write a program to display a full pyramid using stars pattern.

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1. Write a program to display cross or X-shape using stars pattern.

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