Name: **Lab# 01** **Your ID #:**

Please answer the below questions:

Q1 (*1pts*): Read carefully the "Introduction to python — Intro Computational Physics file" and run all the examples.

Q2 (*1pts*): Write a program that prints the sum of the first ten positive integers, 1 + 2 + ... + 10.

Q3 (*1pts*): Write a program that prints your name in large letters, such as

Q4 (*1pts*): Write a program that displays the Olympic rings. Color the rings in the Olympic colors

Q5 (*1pts*): Write a program that gives you the multiplication table of 6 from 1 to 10. The output should look like this

```
Enter a number of the table: 6
6 x 1= 6
6 x 2 = 12
6 x 3 = 18
…
6 x 10 = 60
```

Q6 (*1pts*): Modify the above program to get the multiplication table from 10 to 1.

Q7 (*1pts*): Write a program that asks you to enter your grade in PHYS-373 course and then print
"Congratulations!!
You have passed the course "when your grade is >= 50
And "I am sorry you have failed the course" when your grade is <50

Q8 (*1pts*): Write a program to solve a quadratic equation $\mathbf{ax^2 + b\,x + c = 0}$

Q9 (*1pts*): Use python to graph x^2 function from -10 to 10