Problem set 1

1. Write a python program to print "welcome to python programming lab"
2. Write a python program to display the sentence or message with single, double, triple quotes
3. Write a python program to print the full address of a user. Display the same by breaking it in multiple lines
4. Write a python program that prompts user to enter his/her first and last name and then displays a message "Greetings!!! Firstname lastname”
5. Write a python program that prompts user to enter his/her first and last name and then displays a following message: "Hello firstname lastname welcome to python!"
6. Write a python program which accepts the user's first and last name and prints them in reverse order with a space between them
7. Write a python program to display data of different types (int, float, string) using variables and literal constants(values)
8. Write a python program to reassign values to a variable and print the reassigned value
9. Write a python program for the following: assume that we execute the following assignment statements width=17, height= 12.0, delimiter='.' for each of the following expressions, write the value of the expression and type of the value of the expressions
    a. width/2
    b. width/2.0
    c. height/3 4.1+25
    d. delimiter*5
    e. width//5
    f. width%5
    g. width**2
    h. width^2
    i. log(width)
10. Write a python program for the following: the volume of a sphere is (4p/r**3)/3. What is the volume of a sphere with radius 5?
11. Write a python program for the following: suppose the cover price of a book is $24.95, but bookstores get a 40% discount. Shipping costs $3 for the first copy and 75 cents for each additional copy. What is the total wholesale cost for 60 copies?
12. Write a python program for the following: if I leave my house at 6:52 am and run 1 mile at an easy pace (8:15 per mile), then 3 miles attempts (7:12 per mile) and 1 mile at easy pace again, what time do i get home for breakfast?
13. Write a python program to compute the following:
    a. How many minutes are there in 42 minutes and 42 seconds?
    b. How many miles are there in 10kms (1.6km in a mile)?
    c. If you run a 10km race in 42 minutes 42 sec, what is your average pace (time per mile in minutes and seconds)? What is the average speed in miles per hour?
14. Write a python program to read and print values of variables of different data types
15. Write a python program to convert an integer into the corresponding floating point number
16. Write a python program to convert a floating point number into the corresponding integer

17. Write a python program to read 2 numbers from the user and print its sum
18. Write a python program to read two floating point numbers from the user and add these numbers and assign the result to an integer. Finally display the value of all three integers
19. Write a python program to print the digit at one's place of a number
20. Write a python program to convert farenheit into celsius
21. Write a python program to swap two numbers using a temporary variable
22. Write a python program to calculate the total amount of money in the piggy bank. Using input() get the number of coins of rs.10, rs.5, rs.2 and rs.1 and compute the total
23. Write a python program to perform addition and multiplication on string variables
24. Write a python program to find solution for the following expressions
    a. X=250+130-70
    b. Y=(32+5.2-3)10
    c. Z=100%(45//2)
    d. A=(40+20)30/10
    e. B=((40+20)30)/10
    f. C=(40+20)(30/10)
    g. D=40+(2020)/10
    h. E=40+((2930)/10)
    i. F=40+(20*30/10)\

***