**Assignment 1**

1. Accept the radius from user and find area of circle. Hint: math.pi

import math;

r=input("Enter a radius: ");

a=math.pi\*float(r)\*float(r);

print("Area : %f" %a);

2. Find biggest of 3 numbers entered by user from console. Hint: max()

import math;

str=input("Enter 3 values seperated by ',' :- ");

a=str.split(",");

print("Largest = "+max(a[0],a[2],a[1]));

3. Accept an integer n < 10 and compute n+nn+nnn. Hint : n=2 then sum = 2+ 22+ 222 = 246 a = int(input(‘Enter value’)) # Use string formatting : n1 = int(“%s” % a) n2 = int(“%s%s” “(a,a)) etc. # Similar formatting can be used in print(): print(‘The sum of %d, %d and %d is %s’ % (n1,n2,n3,sum))

import math;

n=int(input("Enter a number : "));

n1=int("%s" %n);

n2=int("%s%s" %(n,n));

n3=int("%s%s%s" %(n,n,n));

res=n1+n2+n3;

print("%d+%d+%d = %d" %(n1,n2,n3,res));

4. Write a demo program to perform type conversion between all basic data types and also with string.

import math;

n=input("Enter a digit : ");

x=int(input("Enter a integer : "));

y=float(input("Enter a float : "));

n1=int(y);

n2=float(x);

n3=str(x);

n4=int(n);

n5=str(y);

n6=float(n);

#print(type(n));

#print(type(x));

#print(type(y));

print ("after conversion");

print(type(n1));

print(type(n2));

print(type(n3));

print(type(n4));

print(type(n5));

print(type(n6));

5. Write short notes on all basic types with examples.  
