**Activity 1.**

**Write a program to demonstrate type checking of various data types and demonstrate the use of following built in functions in python: abs(), len(), min(), round(), isalnum(), type().**

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built in functions in python: abs(), len(), min(), round(), isalnum(), type()'''

items=(10,5,25,20,35)

set1={10,5,25,20,35}

list1=[2,3,4,5]

dic={1:10,2:20,3:20,3:30}

print(dic)

a=23.5555557

b=-34

c=34

d='A'

str='abc123'

e=int(input('Enter the integer'))

#input function used to get input from user

#int used to convert from str to int

print('Float value of 34')

print(float(c))

print('Char value of 34')

print(chr(c))

print('Binary value of 34')

print(bin(c))

print('Hexadecimel value of 34')

print(hex(c))

print('Octal value of 34')

print(oct(c))

print('ASCII value of user input')

print(ord(d))

print('boll value of 34')

print(bool(c))

print('Complex value of 34')

print(complex(c))

print('Performs mod operation in 34 and d')

print(divmod(c,e))

print('Convert from list to set')

print(set([1,2,2,3,3,4]))

print('Sorted elements of Tuples')

print(sorted(items))

print('Sum of elements in Tuples')

print(sum(items))

print('Absolute value of -34')

print(abs(b))

print('Round of value of floating point')

print(round(a))

print('Length of str')

print(len(str))

print('Check it is alpha numeric')

print(str.isalnum())

print('Min value of Tuples')

print(min(items))

print('Max value of Tuples')

print(max(items))

print('Type of b var')

print(type(b))