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**Sem :5th**

**Subject :Python Programming lab**

**Lab incharge :**

**ANNU MAM**

**EXPERIMENT 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().**

**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))**

**Output:**

