 **I-TECH COMPUTEREDUCATION**

**PYTHON TOTAL MARKS: - 75**

Q1.Write a Python program to check given number is prime or not prime.

Q2. Write a Python program to compute the difference between two lists.  
Sample data: ["red", "orange", "green", "blue", "white"], ["black", "yellow", "green", "blue"]  
Expected Output:  
Color1-Color2: ['white', 'orange', 'red']  
Color2-Color1: ['black', 'yellow']

Q3. Write a Python program to add 'ing' at the end of a given string (length should be at least 3). If the given string already ends with 'ing', add 'ly' instead. If the string length of the given string is less than 3, leave it unchanged.  
Sample String : 'abc'  
Expected Result : 'abcing'  
Sample String : 'string'  
Expected Result : 'stringly'

Q4. Write a program to print all distinct values in a dictionary.  
Sample Data : [{"V":"S001"}, {"V": "S002"}, {"VI": "S001"}, {"VI": "S005"}, {"VII":"S005"}, {"V":"S009"},{"VIII":"S007"}]  
Expected Output : Unique Values: {'S005', 'S002', 'S007', 'S001', 'S009'}

Q5. Write a Python program that executes division and handles an ArithmeticError exception if there is an arithmetic error.

Q6. Write a Python program to copy the contents of a file to another file

Q7.  Write a Python function that takes a list and returns a new list with distinct elements from the first list.  
Sample List : [1,2,3,3,3,3,4,5]  
Unique List : [1, 2, 3, 4, 5]

Q8. Write a Python program to create a Tkinter-based login form with input fields for userid and password.

Q9.Write a Python program to insert data in mysql data base. Table name employee and column name empno, ename, hiredate, salary.

Q10 Write a Python program to search specific employee from employee table