Important Instructions:

• At the end of assignment, you will able to implement Exceptions.

• Your code will be graded both on correctness and efficiency.

• Use comments in your code that explains your assumptions and design decisions.

• You need to submit your assignment solution by end of the day.

• Before submitting your assignment makes sure it as per the given requirement. You need to submit your assignment on kuldeep.s.gusain@gmail.com on the respective folder.

• Your folder name will be your rollno name and branch . (101 JAMES Btech/Vlsi).

*Q1.Write an application named GoTooFar in which you declare an array of five integers and store five values in the array. Write a try block in which you loop to display each successive element of the array, increasing a subscript by 1 on each pass through the loop. Create a catch block that catches the exception IndexError and displays the message, “Now you’ve gone too far.*

*Q2.*

*The int() method requires a String argument, but fails if the String cannot be converted to an integer. Write an application in which you try to parse a string that does not represent an integer value. Catch the ValueError that is thrown, and then display an appropriate error message.*

*Q3.*

*Write an application that throws and catches an exception when you attempt to take the square root of a negative value. Prompt the user for an input value and try the math.sqrt() method on it. The application either displays the square root or catches the thrown Exception and displays an appropriate message.*

*Q4:*

*Write an application that displays a series of at least five student ID numbers (that you have stored in an dictionary) and asks the user to enter a numeric test score for the student. Create a ScoreException class, and raise a ScoreException for the class if the user does not enter a valid score (less than or equal to 100). Catch the ScoreException and then display an appropriate message. In addition, store at 0 for the student’s score. At the end of the application, display all the student IDs and scores.*

*Q5:*

*WAP which has an collection name Dish should comprise dishId, dishName, dishPrice & dishMakeTime as keys .Write a function which prompts the user to enter the dishId of Dish which he/she wants to purchase.If the dish with dishId entered by the user is available in the Dish in collection,then it returns that Dish details else display an exception message dish not found please enter available dish id.For Exception handling Create a User defined Exception class named as DishNotFoundException and throw an DishNotFountException when dish not found.*