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Setion: 3B

OOJ LAB OBSERVATION

LAB PROGRAM 6:

Create a package CIE which has two classes- Student and Internals. The

class Personal has members like usn, name, sem. The class Internals has an

array that stores the internal marks scored in five courses of the current

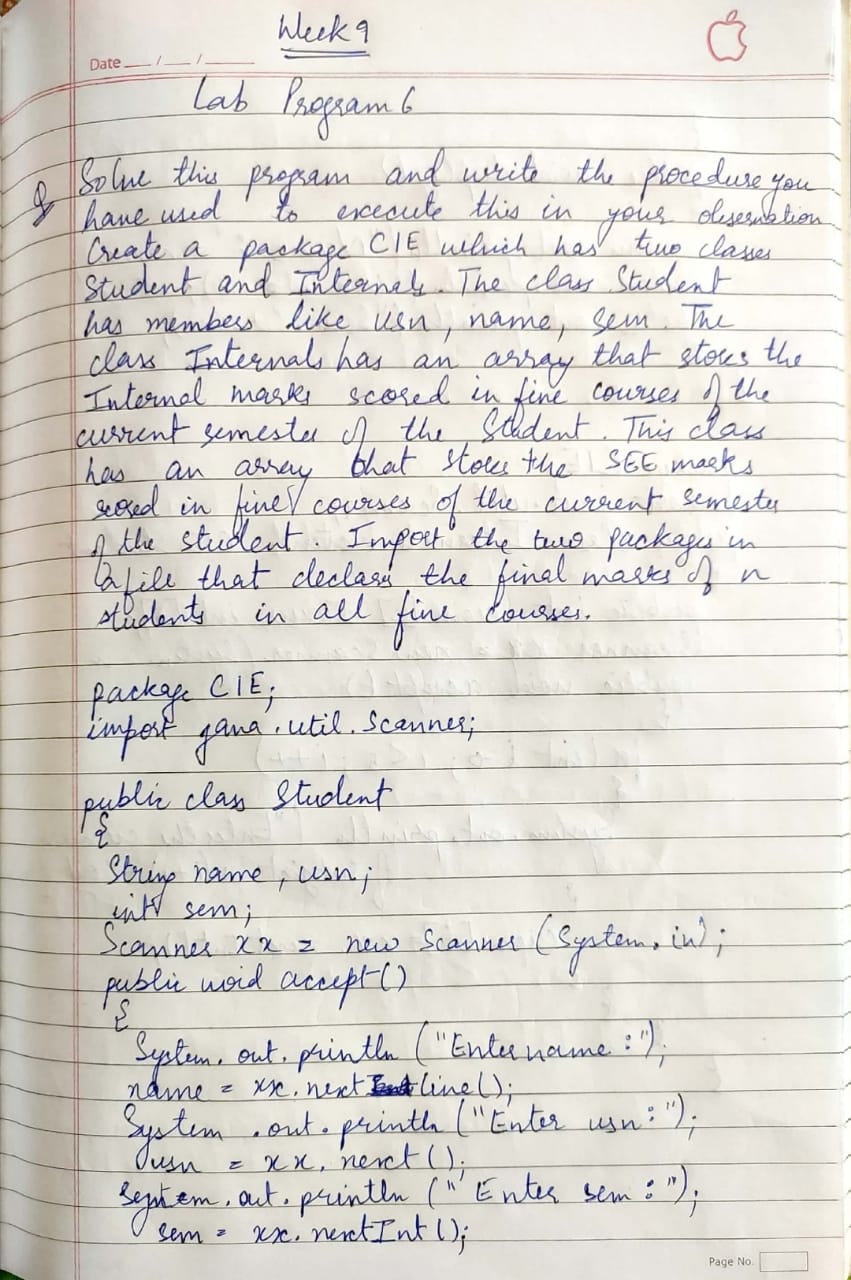
semester of the student. Create another package SEE which has the class

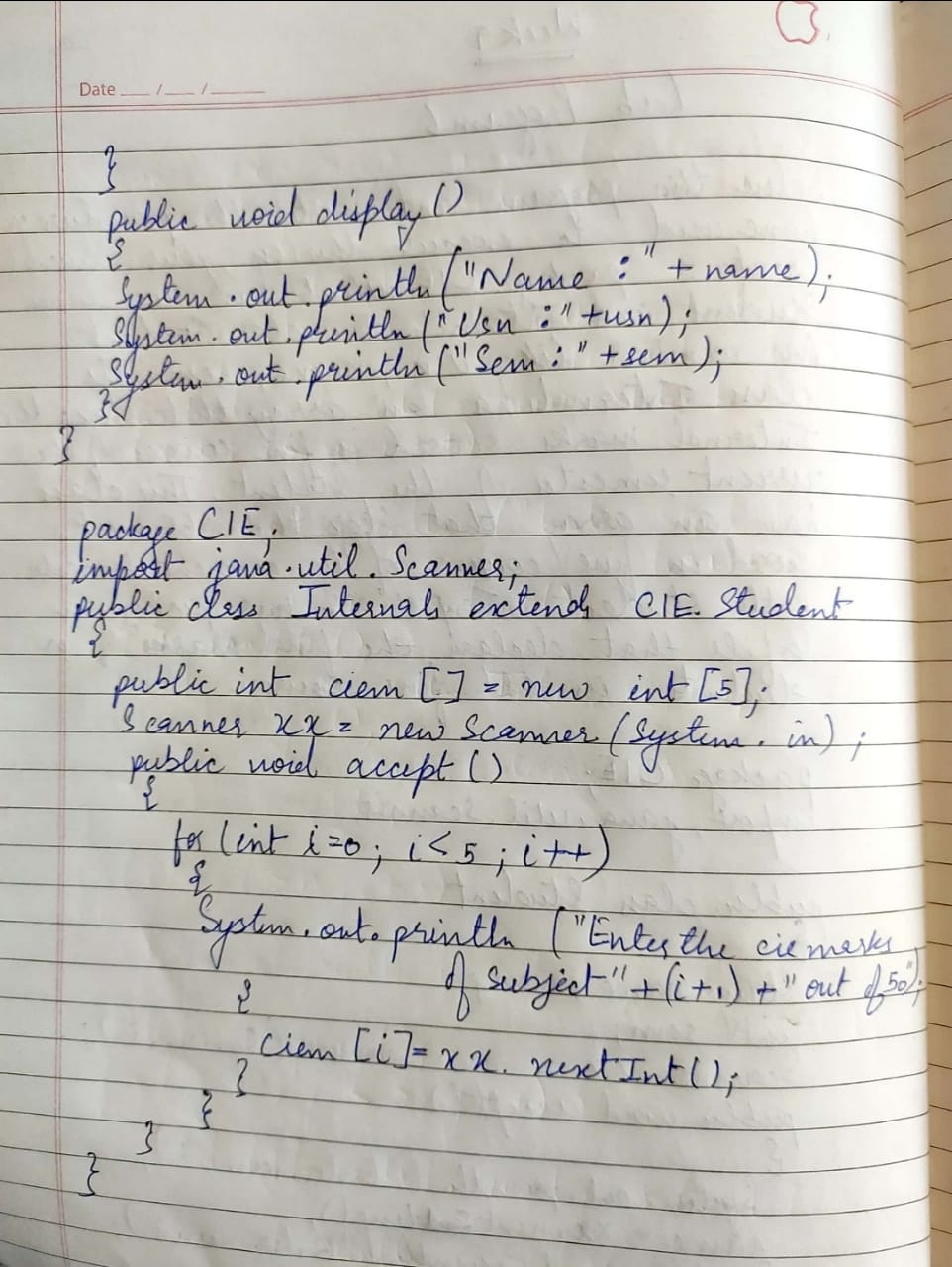
External which is a derived class of Student. This class has an array that

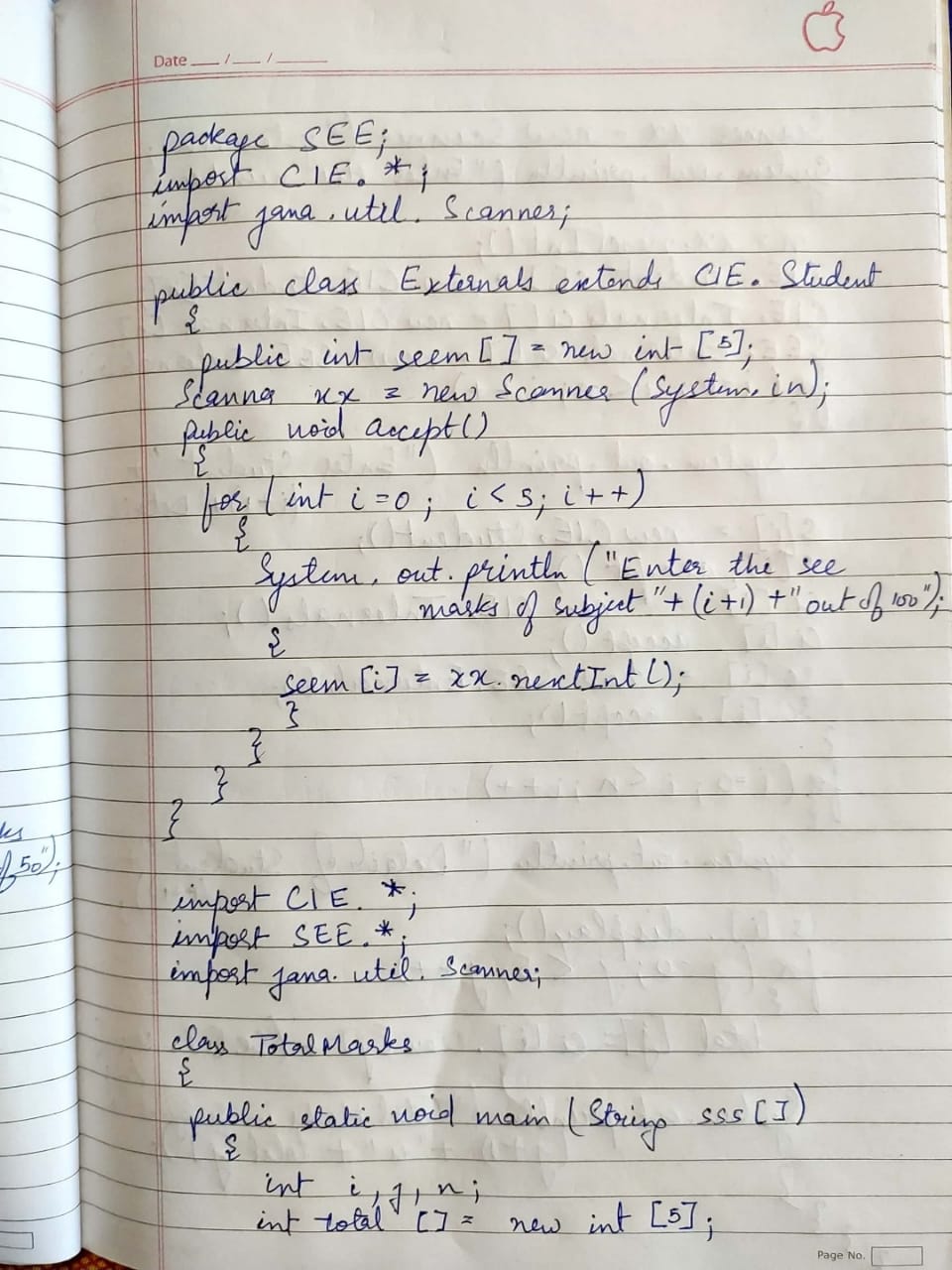
stores the SEE marks scored in five courses of the current semester of the

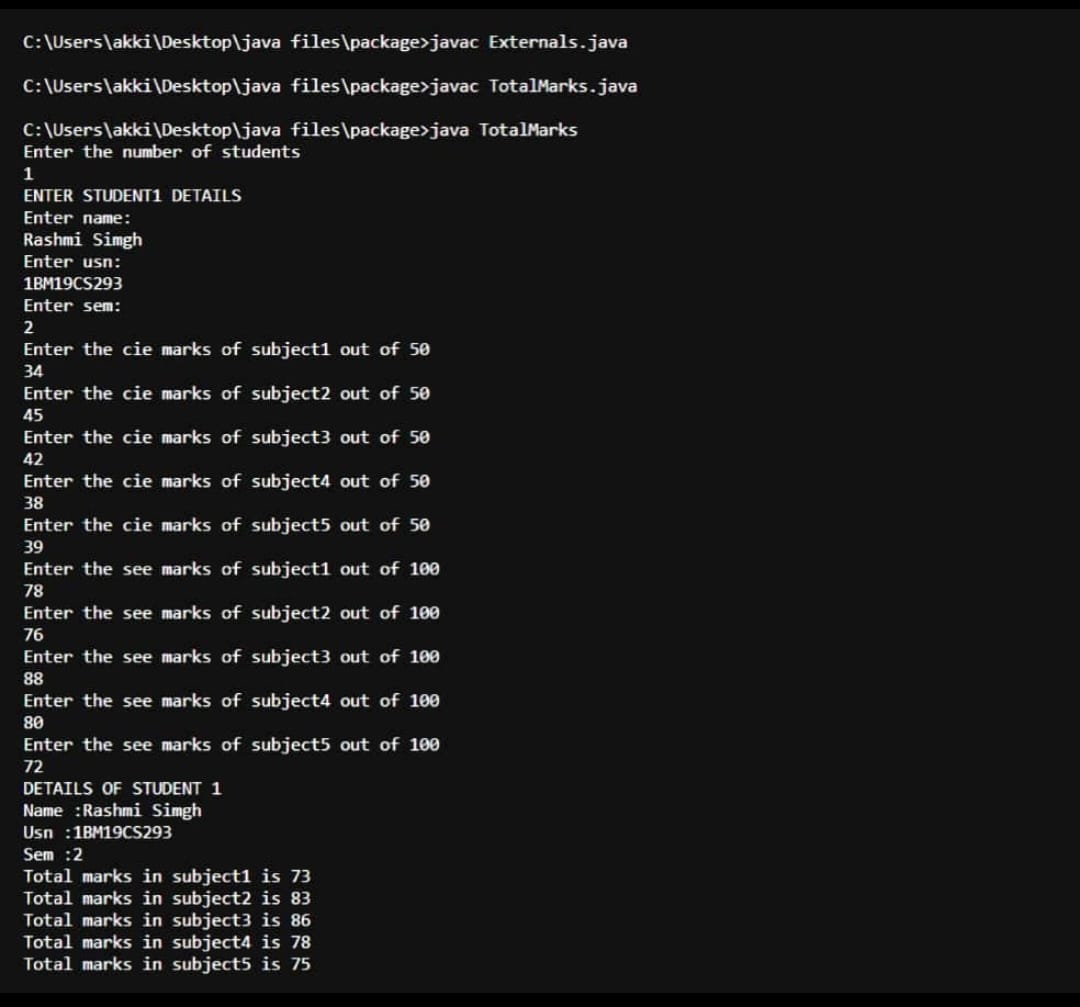
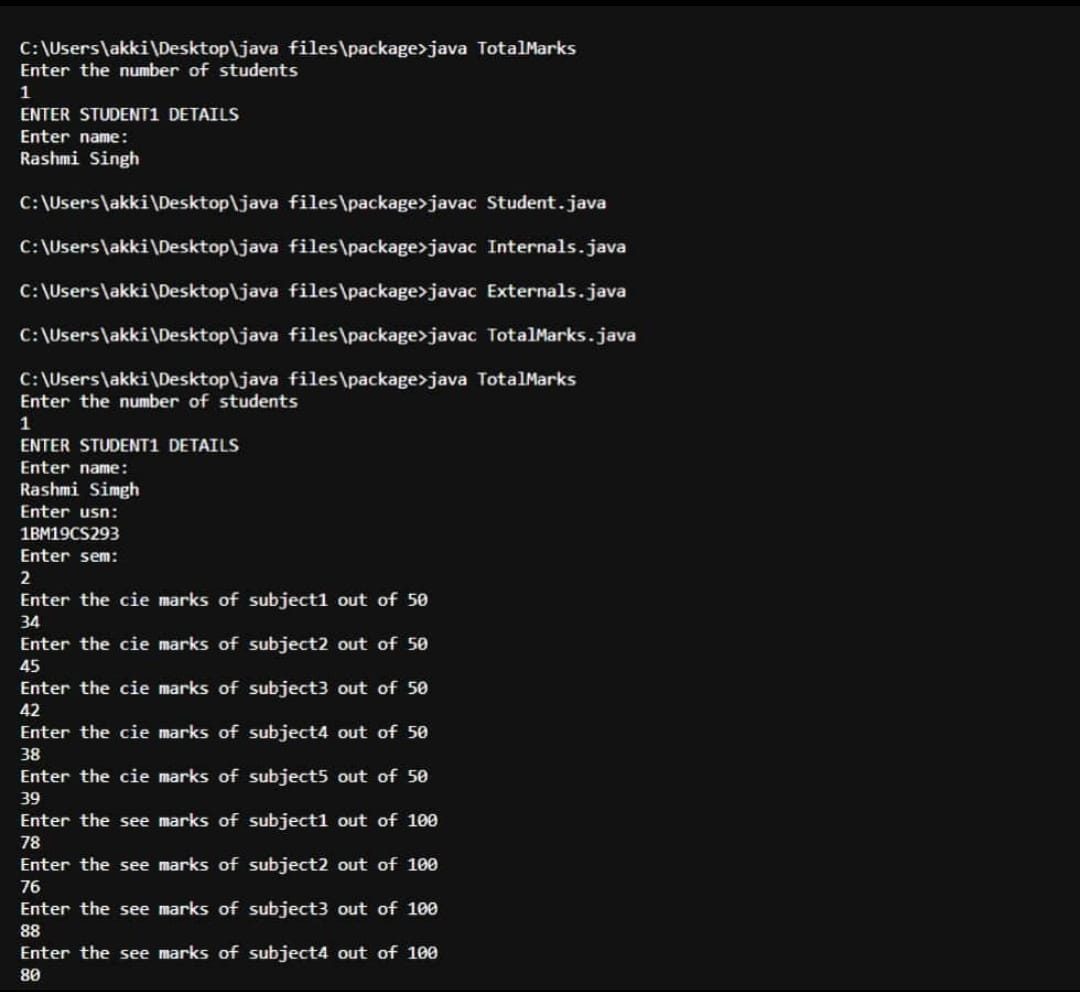
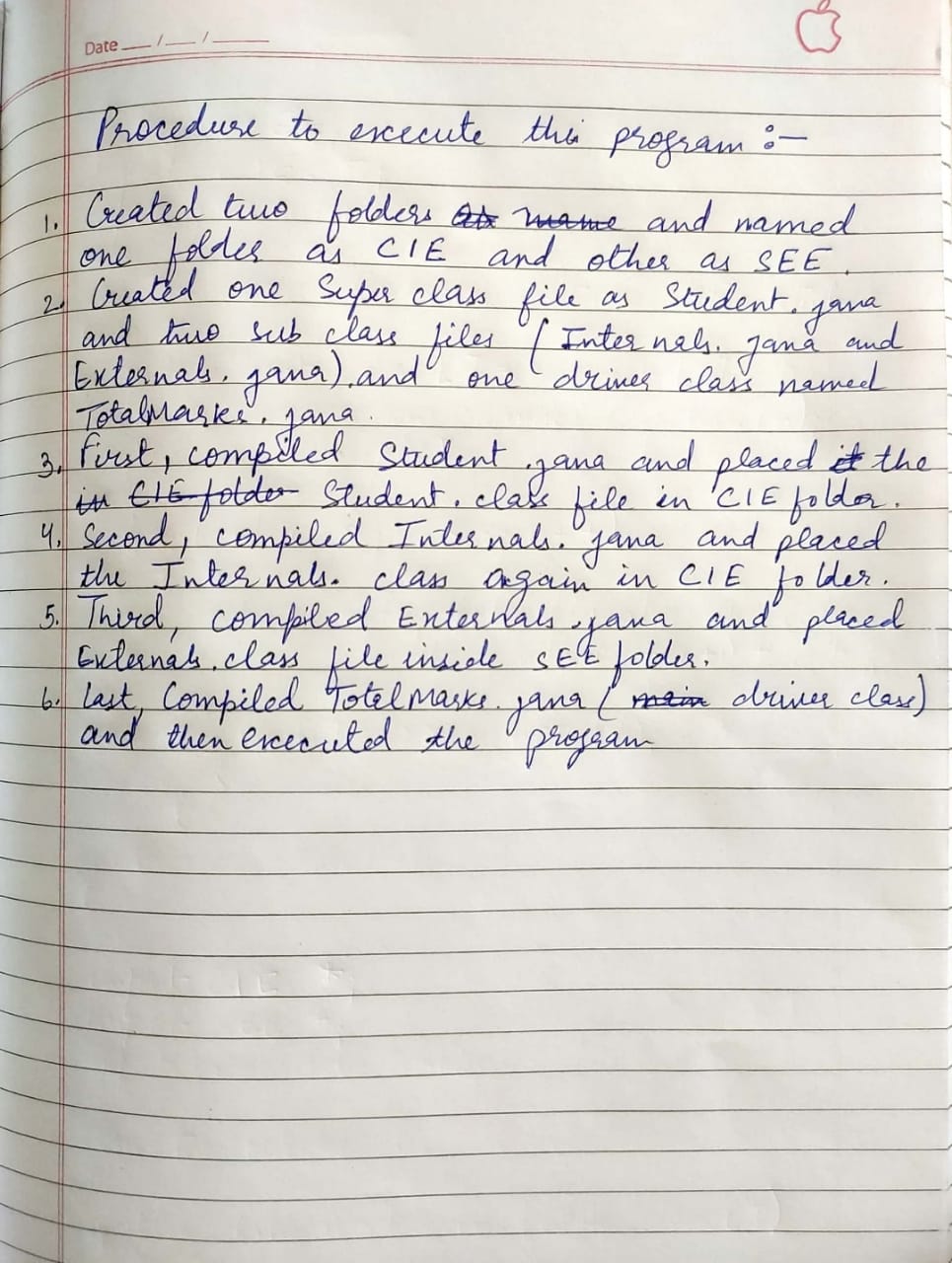
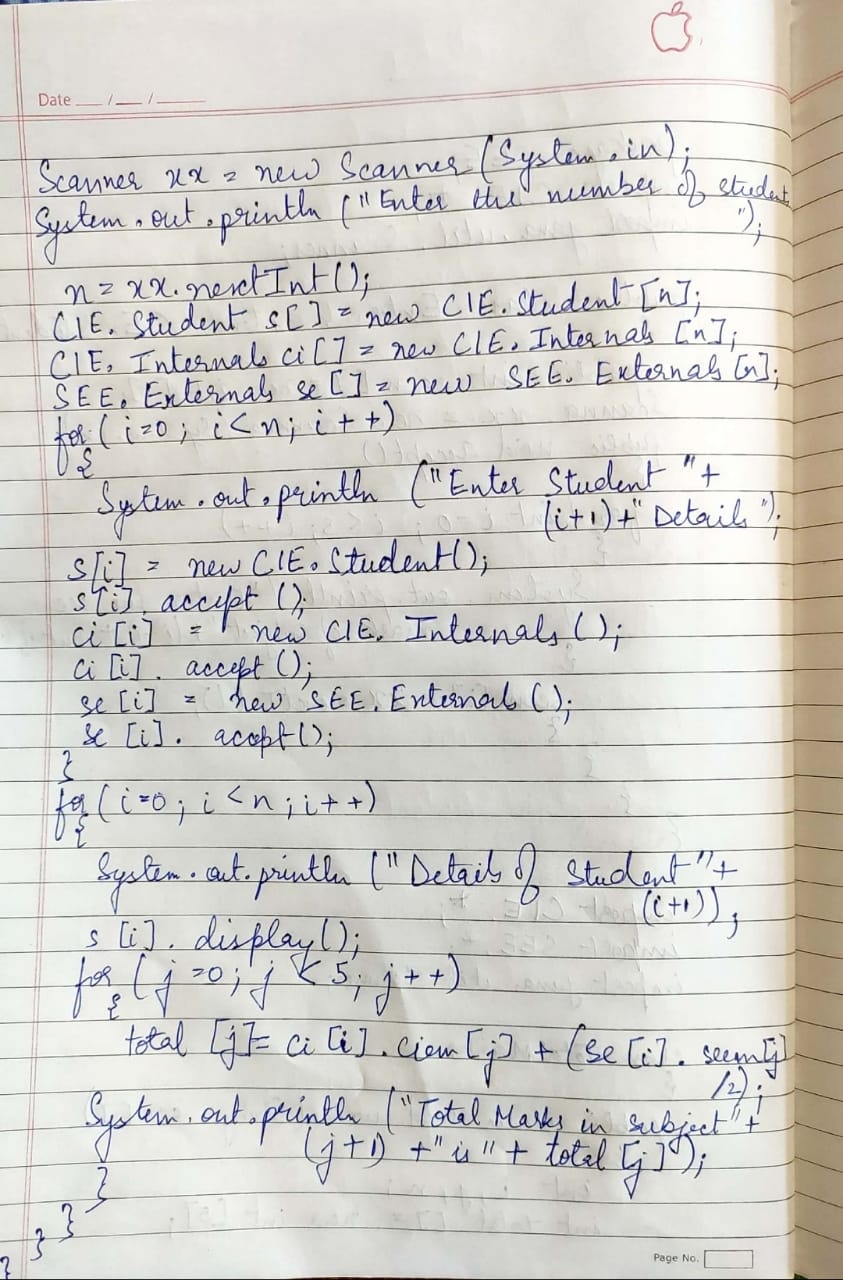
student. Import the two packages in a file that declares the final marks of n

students in all five courses.

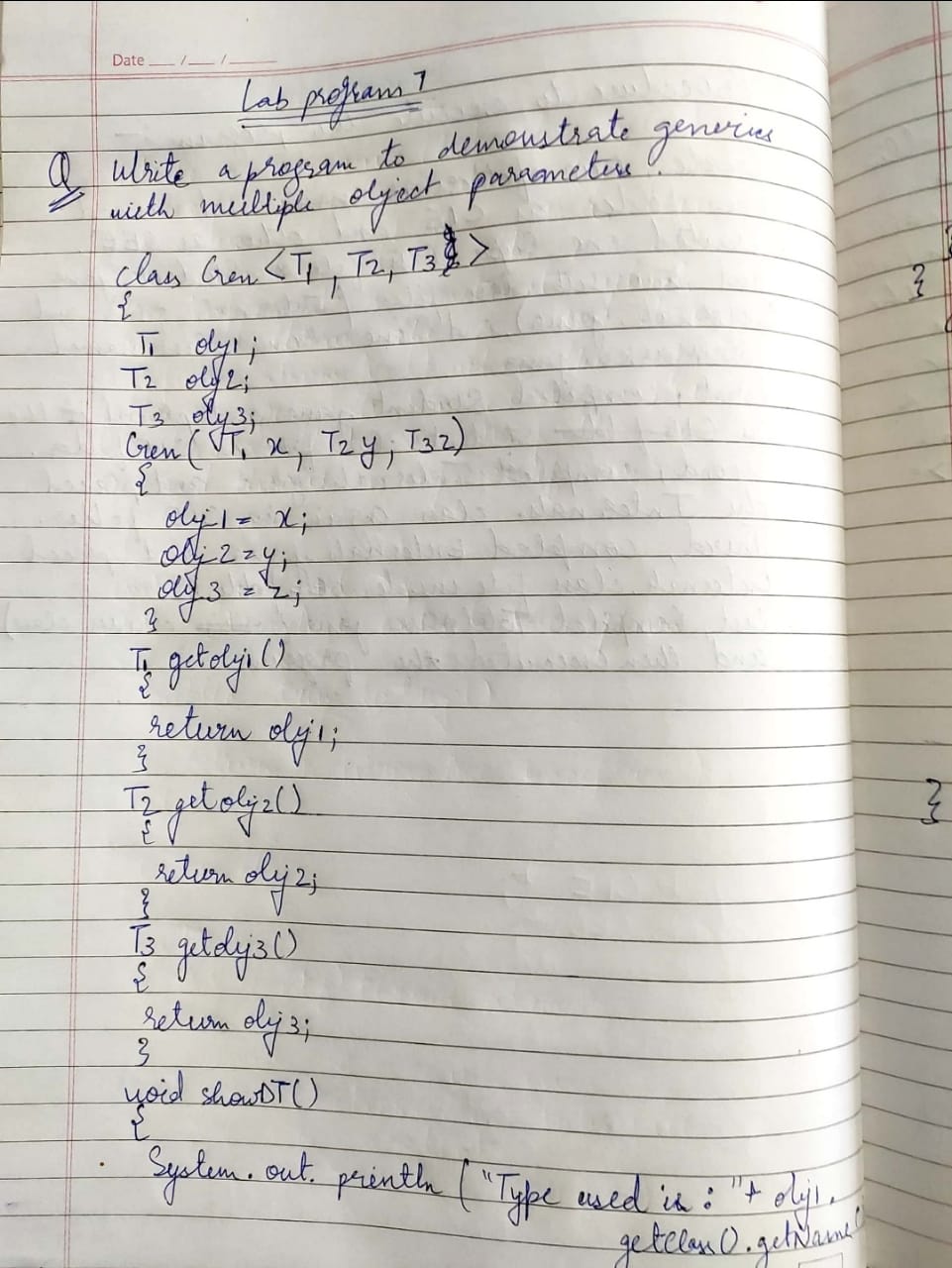


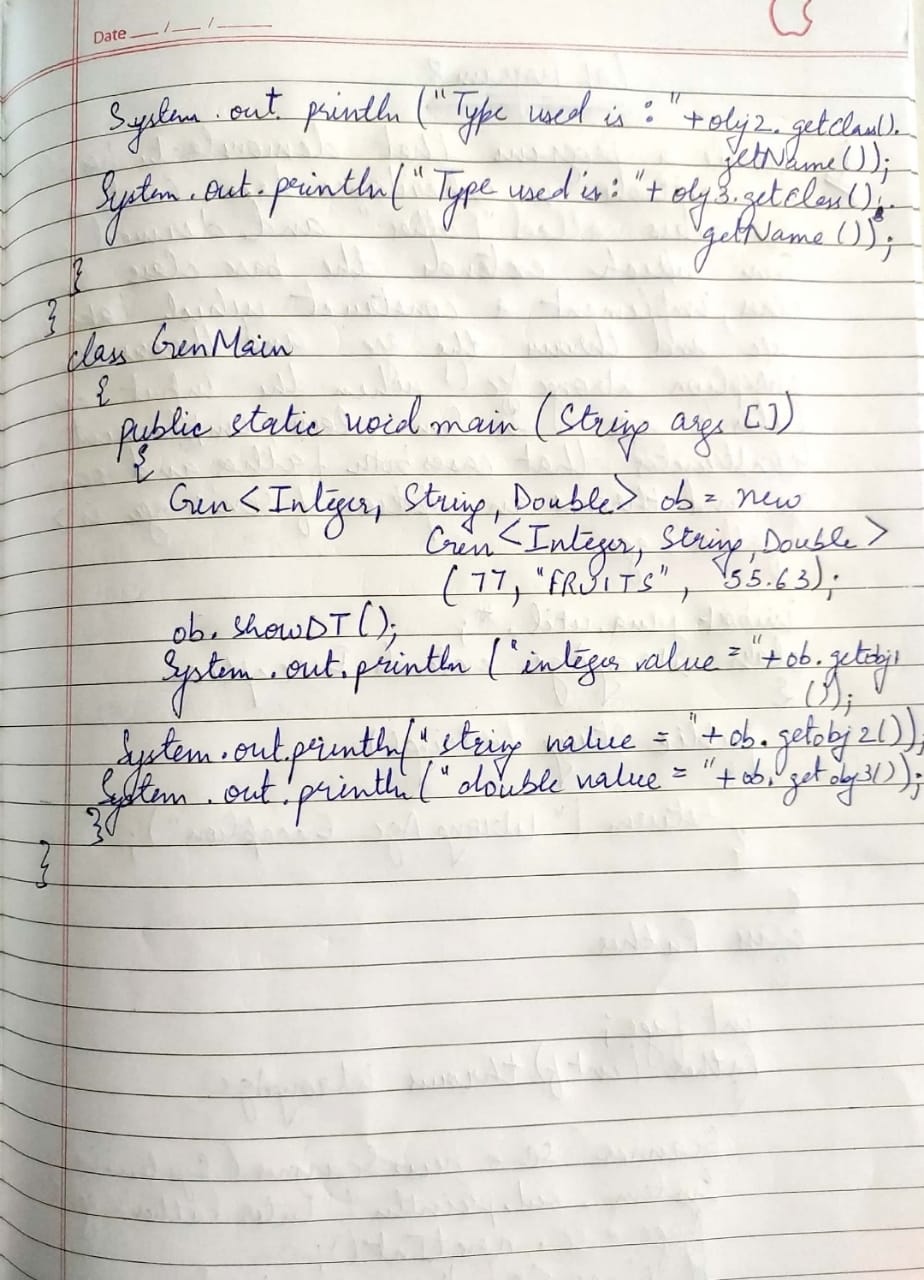


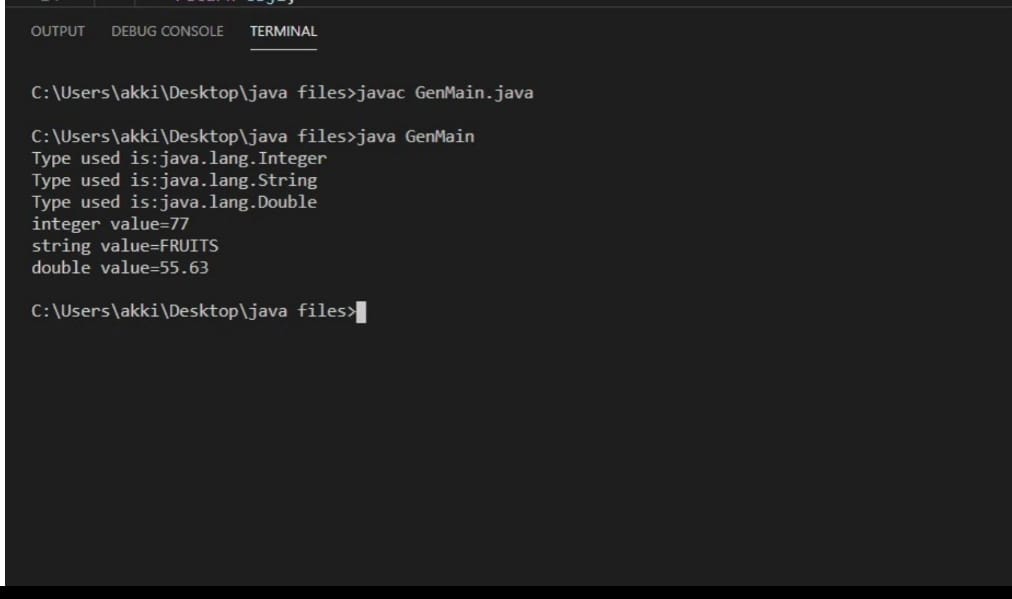




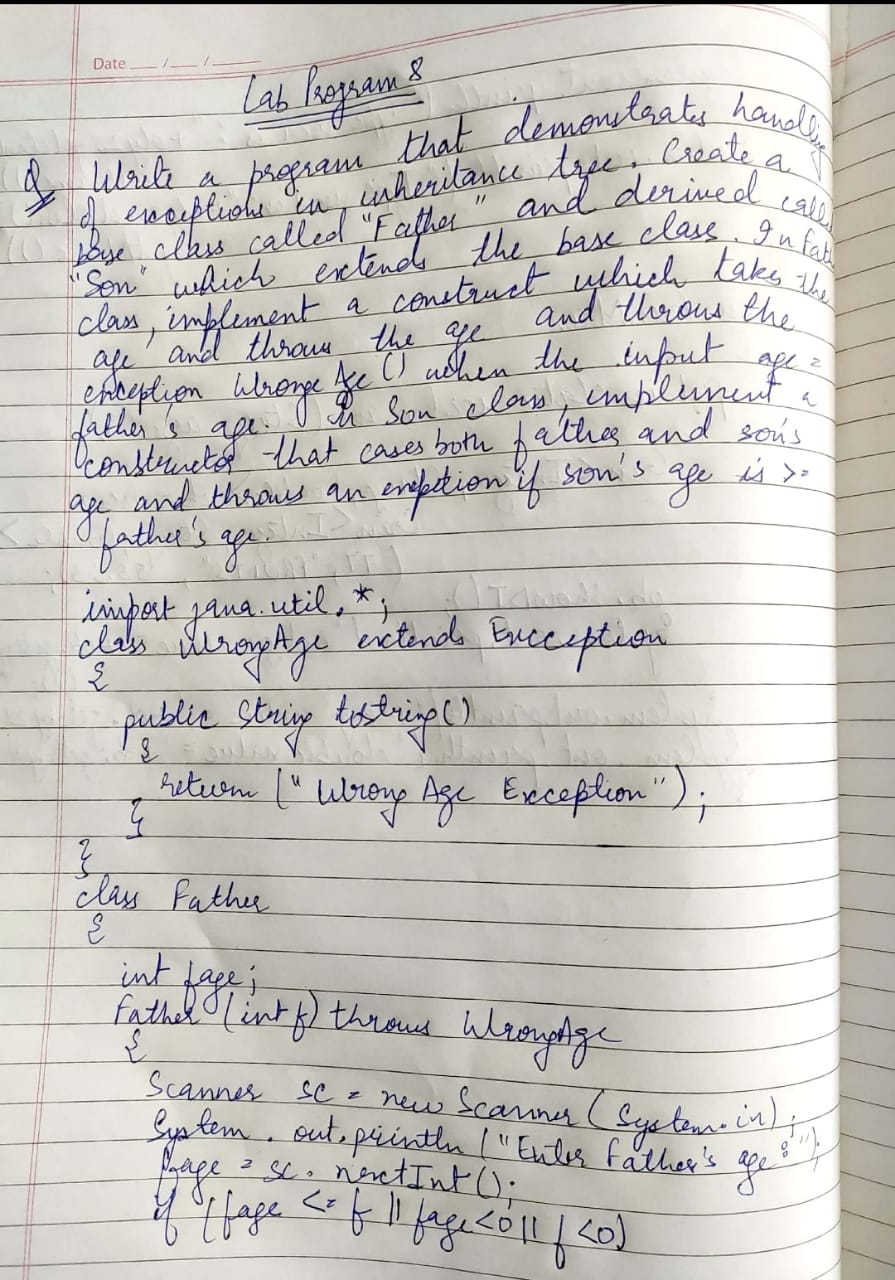
LAB PROGRAM 7 : Write a program to demonstrate generics with multiple object parameters.

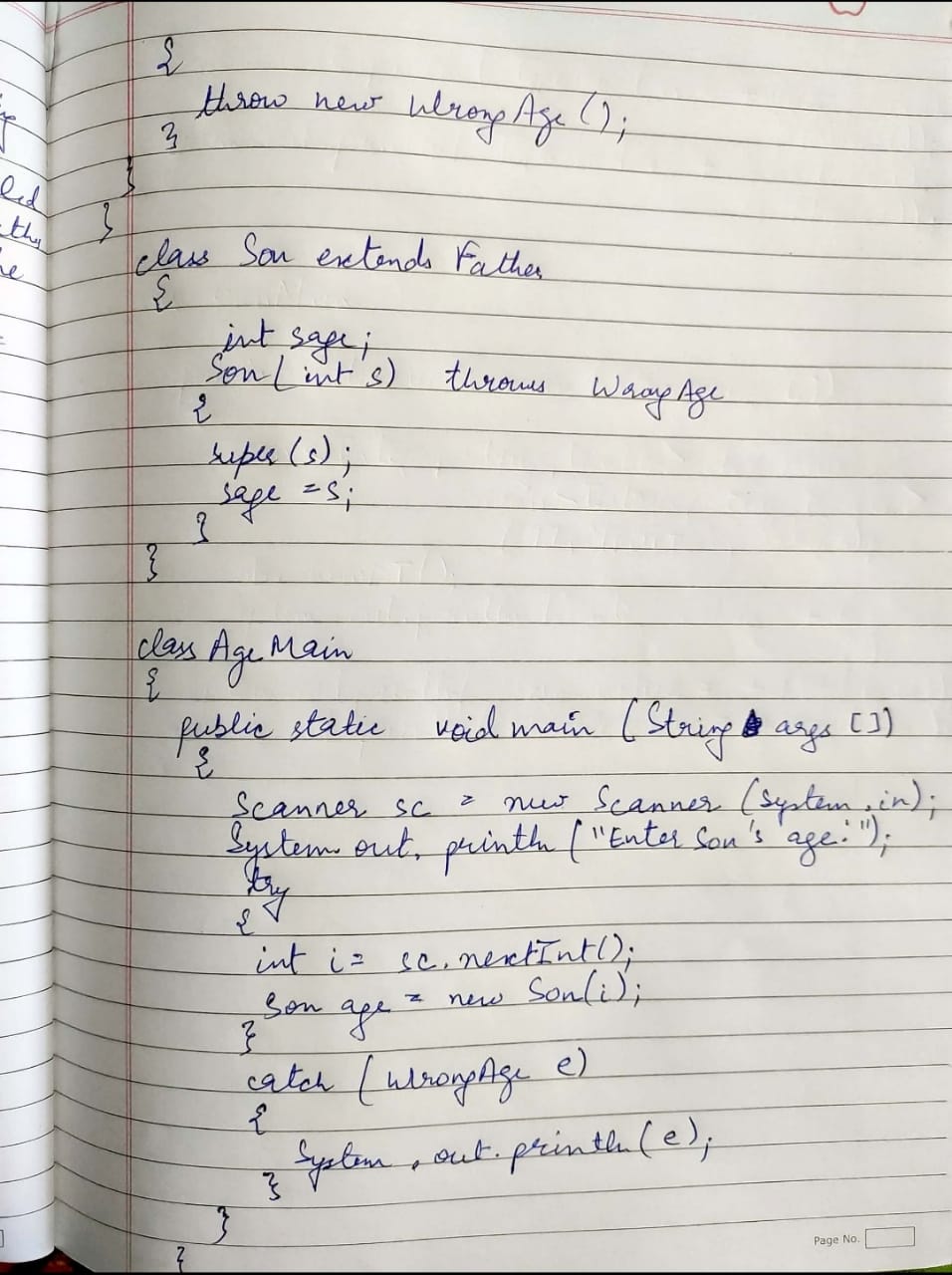


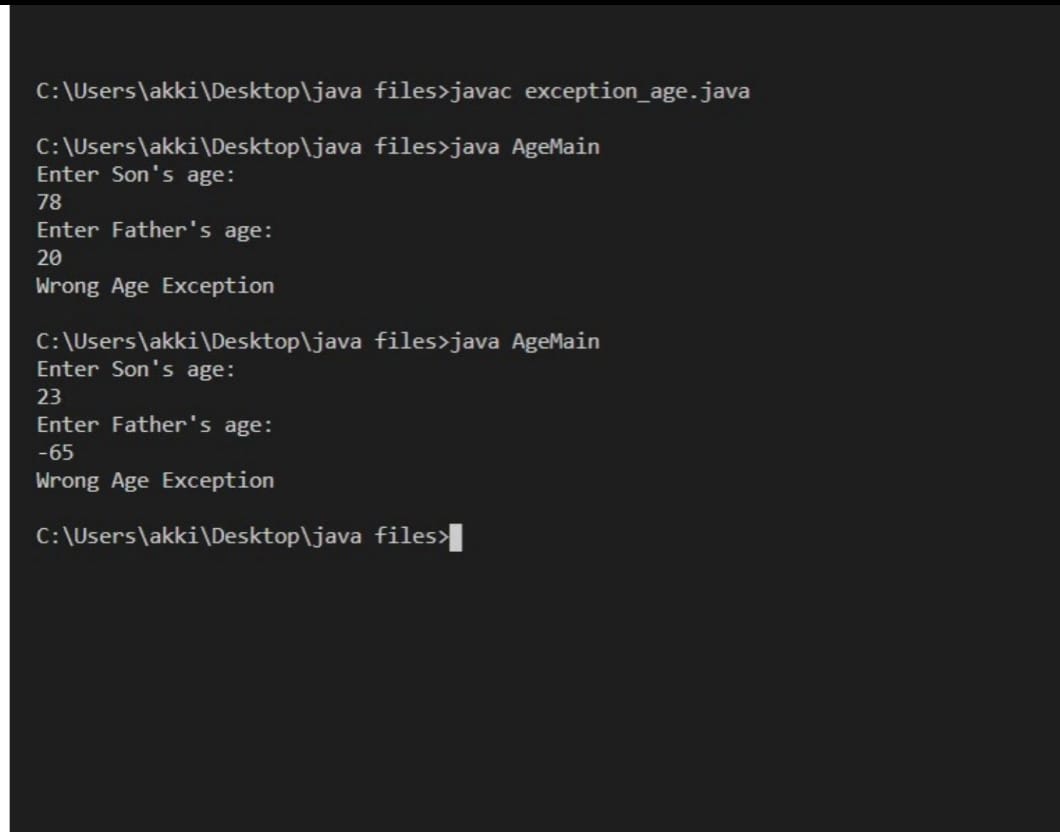




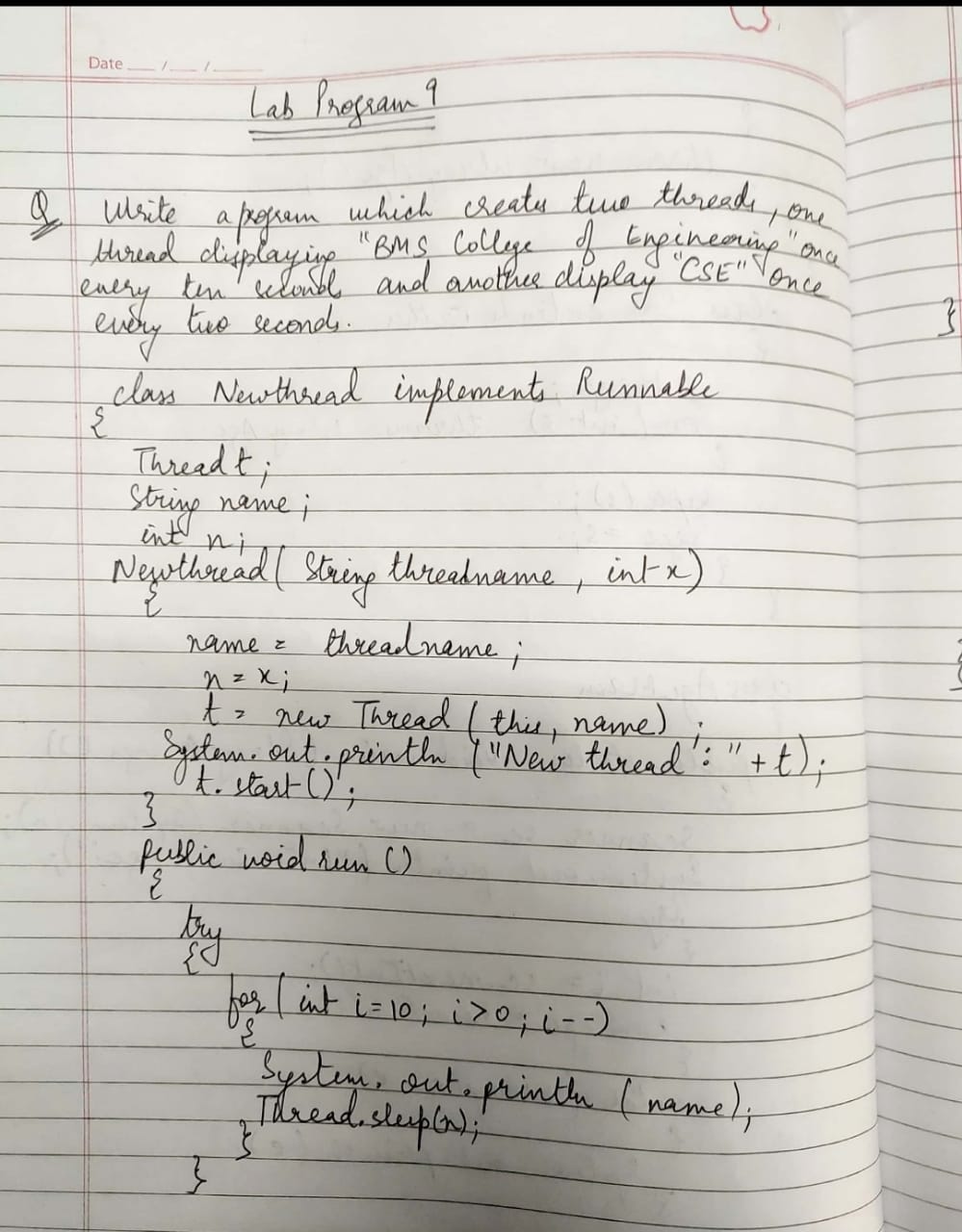
LAB PROGRAM 8: Write a program that demonstrates handling of exceptions in inheritance tree. Create a base class called “Father” and derived class called “Son” which extends the base class. In Father class, implement a constructor which takes the age and throws the exception Wrong Age( ) when the input age<0. In Son class, implement a constructor that cases both father and son’s age and throws an exception if son’s age is >=father’s age.

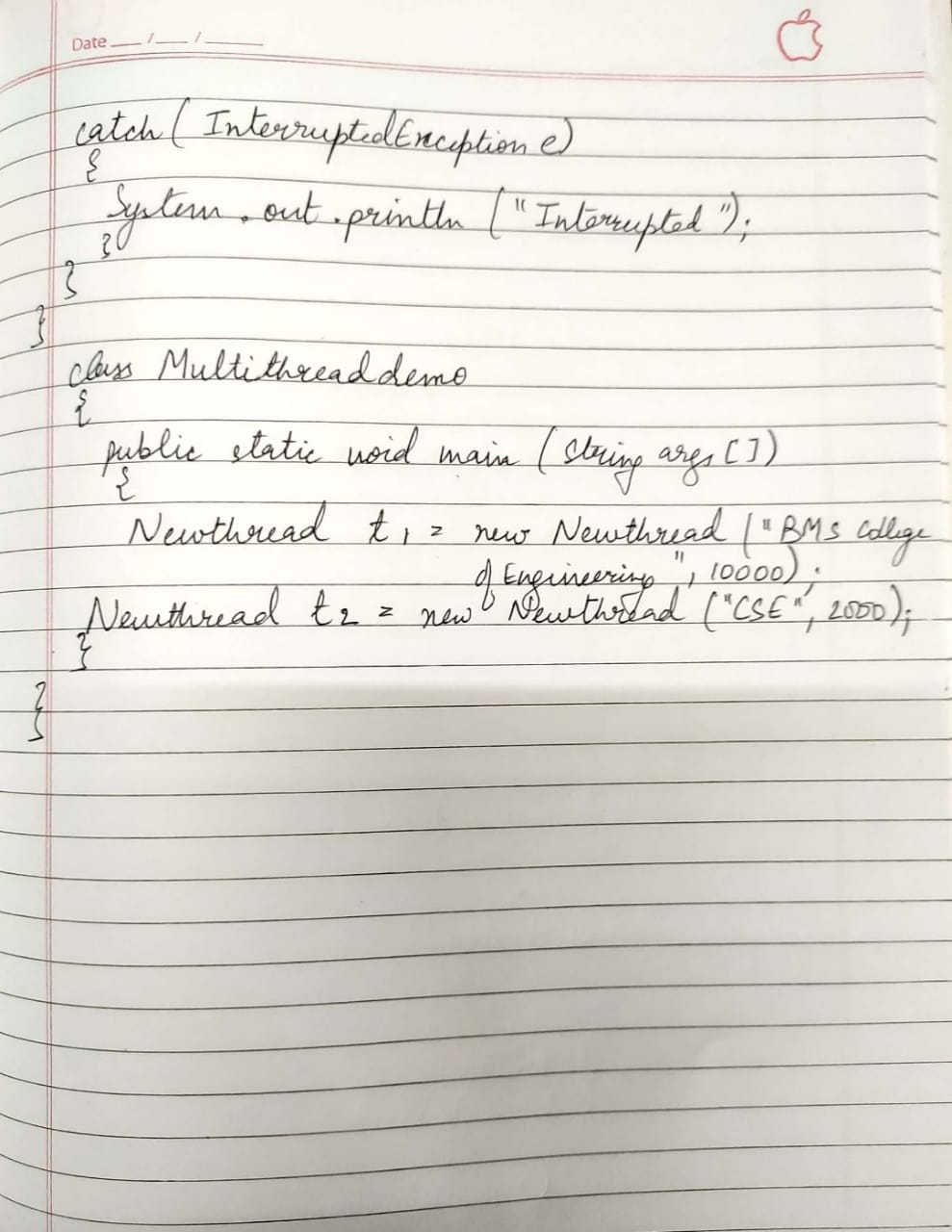


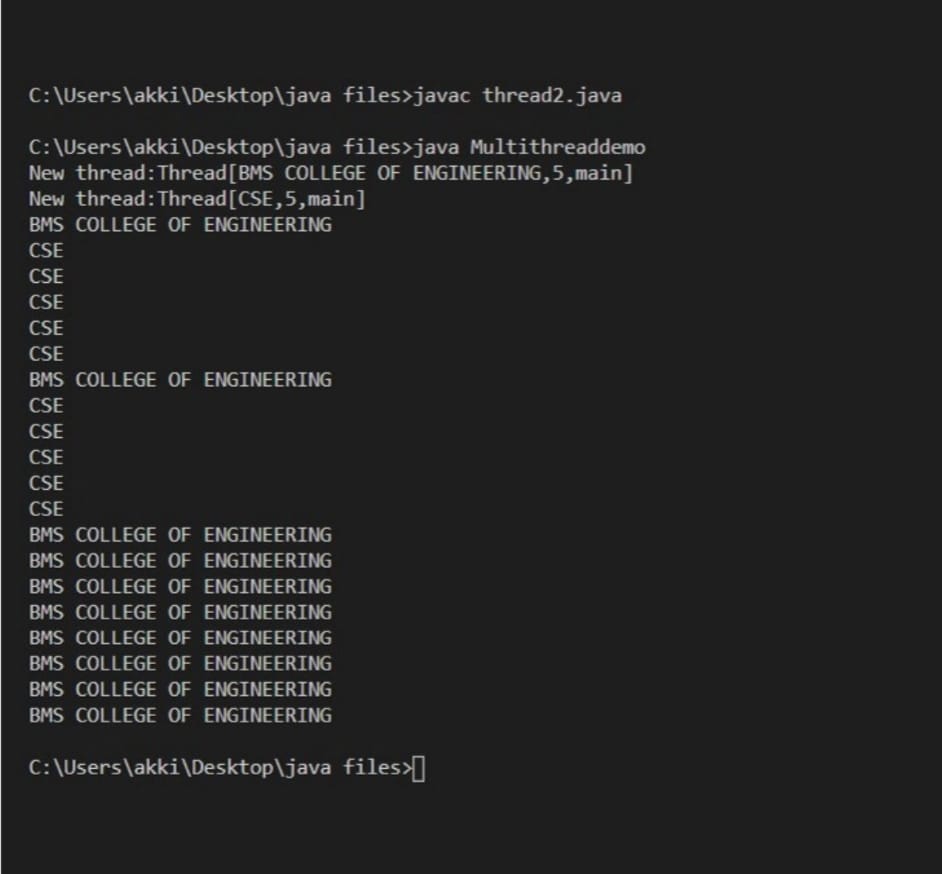




LAB PROGRAM 9: Write a program which creates two threads, one thread displaying “BMS College of Engineering” once every ten seconds and another displaying “CSE” once every two seconds.







LAB PROGRAM 10: Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the text fields, Num1 and Num2. The division of Num1 and Num2 is displayed in the Result field when the Divide button is clicked. If Num1 or Num2 were not an integer, the program would throw a NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box.

