Don Bosco Institute of Technology, Kurla Academic Year 2023-24 EXPERIMENT NO. 2

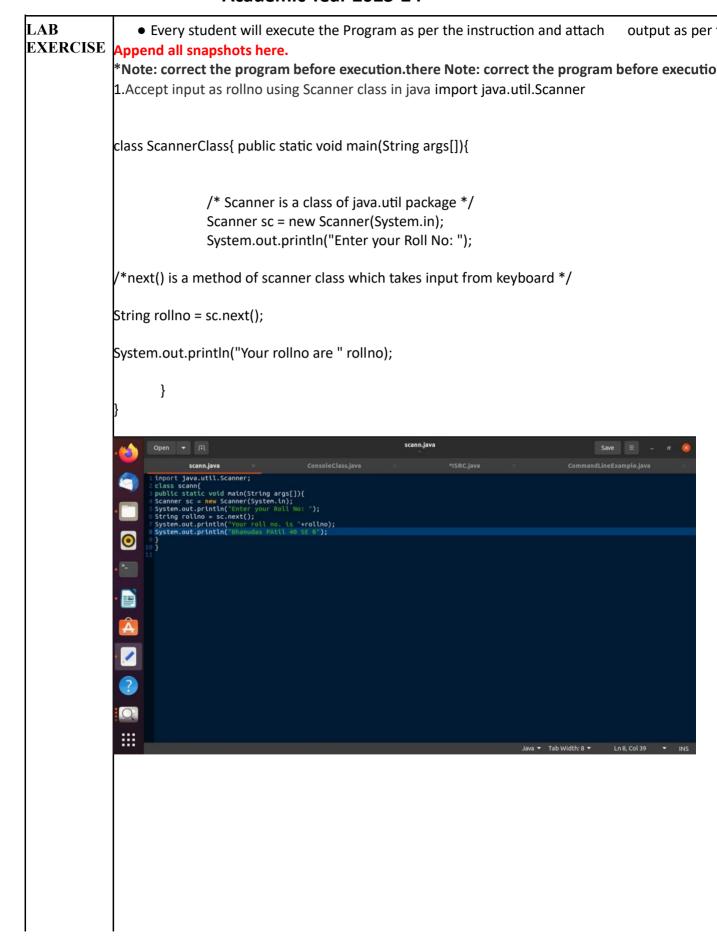
SEMESTER:III DATE OF PERFORMANCE:26/07/2023

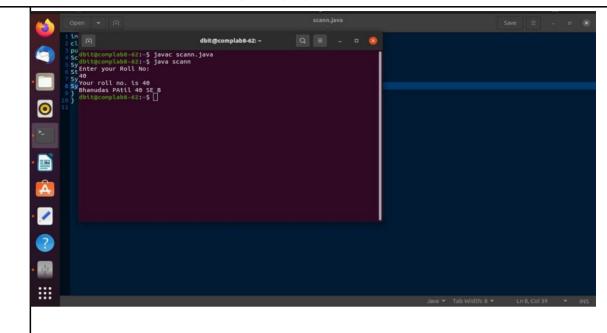
SUBJECT: Skill based Lab Course: Object Oriented Programming with Java

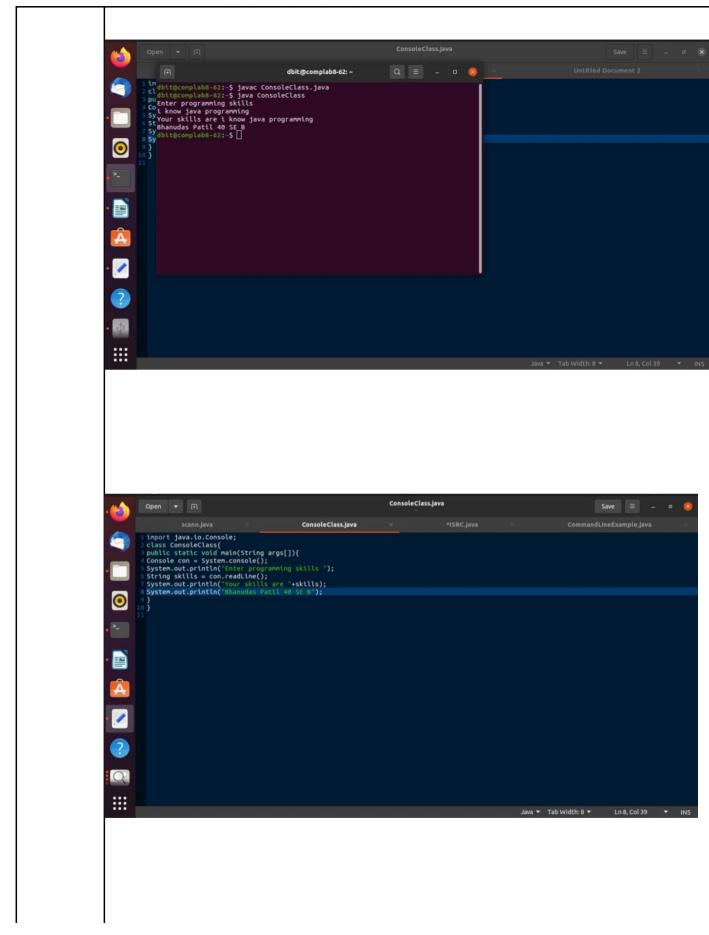
DATE OF SUBMISSION:01/08/2023

NAME OF THE STUDENT: Bhanudas Patil ROLL NO.:40

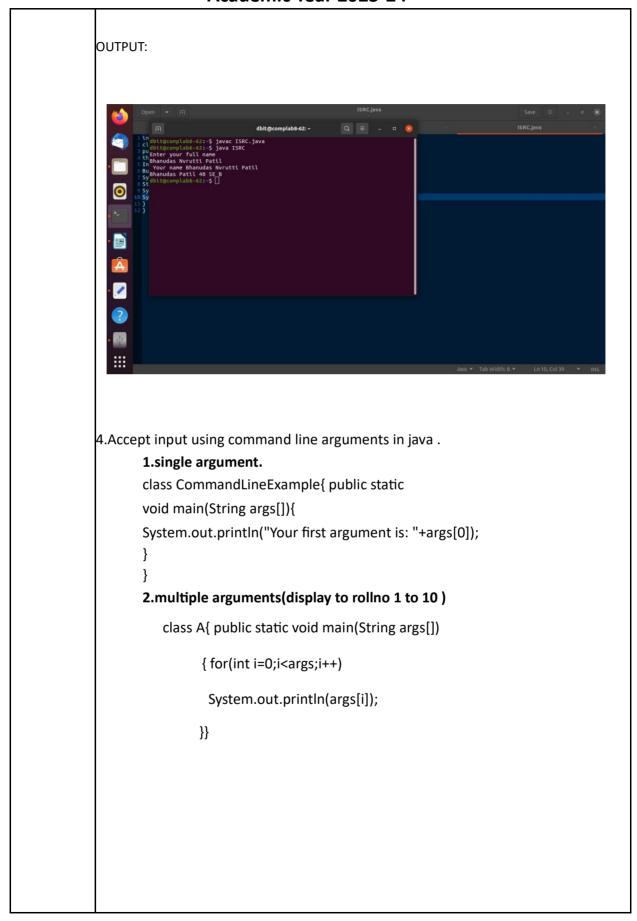
AIM	Program on accepting input through keyboard use following class 1.Scanner Class 2.InputStreamReader and BufferReader 3.Console 4.Command line Args.	
LEARNING OBJECTIVE	To learn the basic concepts of object-oriented programming	
LEARNING OUTCOME	The student will be able to write a program with input and output	
COURSE OUTCOME	Students will be able to identify all the fundamental programming constructs.	
PROGRAM OUTCOME	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PSO1,PSO2,PSO3.	
BLOOM'S TAXONOMY LEVEL	Apply ,Create.	
THEORY	Difference between 1.next() and nextLine() 2.InputStreamReader and BufferReader 3.Use of util,Console,io packages.	

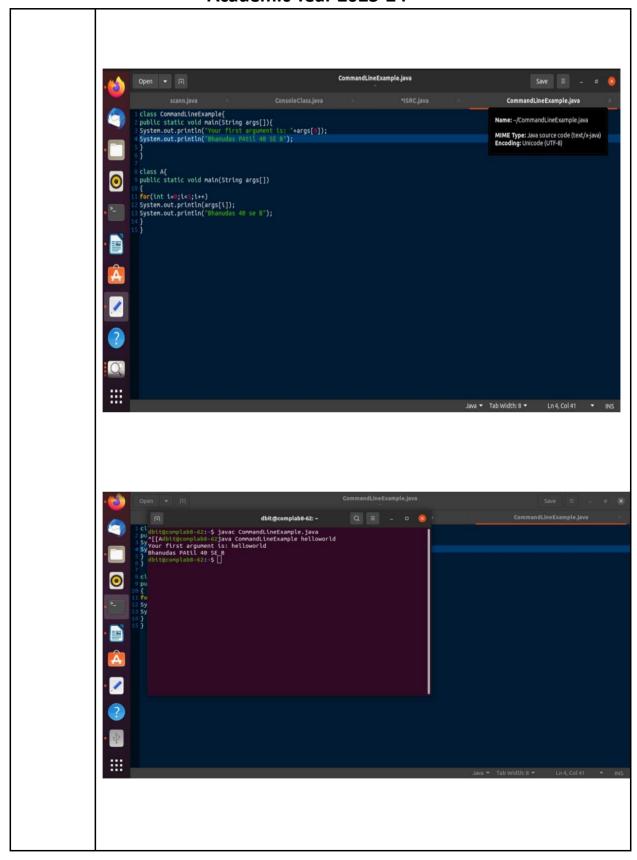






```
3) Accept input using InputStreamReader and BufferedReader class in java
import java. .*; class InputStreamReaderClass{
       public static void main(String args[])throw Exception{
              InputStreamReader i = new InputStreamReader(System.in);
              BufferedReader br = new BufferedReader(i);
              System.out.println("Enter your full name");
              String s = br.read();
              System.out.println(" Your name "+s);
       }
```





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Academic Year 2023-24

REFERENCES	1.https://www.javatpoint.com/java-oops-concepts	
	2.https://www.geeksforgeeks.org/object-oriented-programming-oops	
	-concept-in-java/	
	3.https://www.javatpoint.com/java-oops-concepts	

THEORY QUESTIONS

Q1. Difference between next () and nextLine ()?

Answer-

No. +()	Ni susti in s ()
Next()	NextLine()
1.Reads input from input device	Reads input from input device till line
till space character.	is changed.
2. Cannot read words having space in it.	2. Can read those words having space in
	It.
3. Places cursor in same line after	3. Places cursor in next line after reading
reading input.	Input.
4. Escaping Sequence is Space.	4. Escaping Sequence is '\n'.
5. Syntax is :	5. Syntax is :
Scanner_object.next();	Scanner_object.nextLine();

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Q2) Difference between InputStreamReader and BufferReader.

Answer-

InputStreamReader	BufferReader
 Used to read characters from any type of character input stream like String, Files, etc. 	1. Used only for reading files.
2. Uses Buffer internally to read files.	2. Directly reads from the file by accessing the hard drive.
3. Its much faster.	3. Its much slower.
4. Much more efficient for reading files.	4. Less efficient for reading files.
5. Used to read a single character as well as a line at the same time.	5. Can read only one character at a Time.

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Q3.) What is use of util, Console, Io packages? Answer-

- 1. UTIL Package The java.util package in Java is a built-in package that contains various utility classes and interfaces. It provides basic functionality for commonly occurring use cases.
- 2. Console Package It is used to get Input from console Class.
- 3. IO Package It provides for system input and output through data streams, serialization and the file system.