

Experiment 1.1

Student Name: Rajiv Paul

Branch: CSE

Semester: 3rd

Subject Name: Java Program Lab

UID: 20BCS1812

Section/Group: 6B

Date of Performance: 01/09/2021

Subject Code: 20CSP-219

1) Aim/Overview of the practical:

Write a program to study different types of constructors in java.

2) Task to be done/ Which logistics used:

To write a program to study different types of constructors.

3) Algorithm/Flowchart (For programming based labs):

4) Steps for experiment/practical/Code:

```
package com.company;
import java.util.Scanner;

class Default{
    Default(){
        System.out.println("\n*****Default Constructors called! *****");
        System.out.println();
        System.out.println("Enter details of student ");
    }
}

class Parameterised {
    Parameterised(String id, String name){
        System.out.println("\n*****Parameterized Constructors*****");
        System.out.println();
        System.out.println("Name is: "+name+" \nUid is: "+id);
    }
}

class Ab{
    private Ab(){
        String a;
    }
    Ab(String b){
        String a=b;

        System.out.println();
        System.out.println("This is private "+a);
    }
}
```

```
public class java_worksheet2 {
    public static void main(String[] args) {
        Default a1=new Default();
        System.out.print("Uid:");
        Scanner sc=new Scanner(System.in);
        String uid = sc.next();
        System.out.print("Name: ");
        String name = sc.next();
        Parameterised a2=new Parameterised(uid,name);
        Ab a3=new Ab( b: "class");
    }
}
```

5. Observations/Discussions/ Complexity Analysis:

6. Result/Output/Writing Summary:

```
*****Default Constructors called! *****  
  
Enter deatails of student  
Uid:20BCS1812  
Name: Rajiv  
  
*****Parameterized Constructors*****  
  
Name is: Rajiv  
Uid is: 20BCS1812  
  
This is private class  
  
Process finished with exit code 0
```

Learning outcomes (What I have learnt):

- 1. Learnt about java programming language.**
- 2. Learnt about the different types constructors.**
- 3.**
- 4.**
- 5.**

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			