ACD\_BDD2.3\_Session\_14\_Assignment\_1

Calculator.Scala

**class** Calculator (a:Int,b:Int){

**val** num1 :Int = a

**val** num2 : Int = b

**def** sum():Unit = {println("sum : " + (num1 + num2))}

**def** sum(c:Int):Unit = {println("sum overloading : " + (num1 + num2 + c))}

**def** sub():Unit = {println("difference : " + (num1 - num2))}

**def** mul():Unit = {println("multiplication : " + (num1 \* num2))}

**def** mul(e:Int):Unit = {println("multiplication overloading : " + (num1 \* num2 \* e))}

**def** div():Unit = {println("division : " + (num1 / num2))}

**def** gcd(a: Int,b: Int): Unit = {

**if**(b ==0) {println("GCD : "+ a)} **else** gcd(b, a%b)

}

}

Calci.Scala

**object** calci {

**def** main(args:Array[*String*]){

**val** result = **new** Calculator(10,20)

result.sum()

result.sum(20)

result.mul()

result.mul(5)

result.sub()

result.div()

result.gcd(15,25)

}

}

Output:

sum : 30

sum overloading : 50

multiplication : 200

multiplication overloading : 1000

difference : -10

division : 0

GCD : 5