Assignment-2

Problem Statement

Design and Publement a calculator application
that demonstrates the concept of method ourloading
in Jeva. The application should allow users to
berform basic arithmetic operation using our woold
methods that accept different types and numbers
of parameters

import java. util. Scanner;

class Calculator &

5

deturn a+6.

5

double edd (double a, double b)

secturu a + 6;

fut add (Put a, Put b, intc)

5

suturn a+6+c;

Put Subtrect (int a, int b)

2 - 6'

Sceturn a-6;

double subtreet (double a, double 6)

deetven a-6; double subtract (double a, double b) Sceturu a-6; Put multiply (int a, intb) duturn a*b; double multiply (double a, double 6) Lution c+ b; double clivide Ciut a, iut 6) Sceture edouble 2/6; double divide (double a, double b) deturn a/6; class Cakulator App E public static void main Estoing [1 args) Scanner Sc = New Scanner (Systemin) Calculator calc = New Calculator ();

Date ____ / ____ / ____

Sc. close ();



Systemout pointin C"Calculator Application using Method overloading "); System.out. printly ("Futer first number:"); num1 = Sc. neutDouble (); Systemout. printly ("Futer second number:"). double numa = Sc. nent Double C); System.out. println (" In Select operation: "); System. out. printly ("1. Addition In d. Subtraction In 3. Multiplication My. Division"); Put choice = sc. nent Int(): Switch Counice) & Case 1: System.out.pointly C'Result: "+ calc.add Cnum 1, num2)), break; Case 2. Systemout point in ("Result:"+ colc. Subtract (num 1, num2)); breck, Systemout. printly ("Result:" + cale multiply (num, num2)); breck; case4: System.out. point In ("Result:"+ colo. divide Chumi, numa)); break; defeult: System.out. Printly ("Invalid choice");

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