Problem 01  
:   
import java.util.Scanner;

public class area\_circle {

public static void main(String[] args) {

Scanner del = new Scanner(System.in);

float result, area;

System.out.println("Please insert the radius as float values");

area = del.nextFloat();

result = (float) (3.1416 \* area);

System.out.printf("The area of the circle is %.2f", result);

}

}  
  
Problem 02 :  
public class equations\_values {

public static void main(String[] args) {

int A = 5,B=6,C=7,D=8;

int resultA = A \* B - C \* D;

int resultB = 2 \* A - B + 3 \* D;

int resultC = A \* A + B \* B - C \* C + D \* D;

int resultD = A \* A \* A + B - C;

System.out.println("a) Result: " + resultA);

System.out.println("b) Result: " + resultB);

System.out.println("c) Result: " + resultC);

System.out.println("d) Result: " + resultD);

}

}

Problem 03 :

public class myinformation {

public static void main(String[] args) {

System.out.println("Name : Rakib Hassan\nID : 0242220005101554\nAddress : X\_12 F2 , Shah-Jahan Road,Mohahammadpur -1207\nDepartment of CSE\nFavourite game name Assassin's Creed");

}

}

Problem 04 :

public class name {

public static void main(String[] args) {

String dol = "Rakib";

System.out.printf("My name is %s ",dol);

}

}

Problem 05 :

import java.util.Scanner;

public class simple\_calculator {

public static void main(String[] args) {

double num1,num2,result;

System.out.println("Welcome User,\nPlease chose your options.\nPress 1 to Calculate Summation\nPress 2 to Calculate Substraction\nPress 3 to Calculate Multiplication\nPress 4 to Calculate Divition\n");

try (Scanner del = new Scanner(System.in)){

System.out.println("Select : ");

int sel = del.nextInt();

if (sel==1){

System.out.println("Please inter your digit to 1 st number");

num1 = del.nextDouble();

System.out.println("Please inter your digit to 2 nd number");

num2 = del.nextInt();

result = num1 + num2;

System.out.println("Total result is "+result);

}

else if(sel==2){

System.out.println("Please inter your digit to 1 st number");

num1 = del.nextDouble();

System.out.println("Please inter your digit to 2 nd number");

num2 = del.nextInt();

result = num1 - num2;

System.out.println("Total result is "+result);

}

else if(sel==3){

System.out.println("Please inter your digit to 1 st number");

num1 = del.nextDouble();

System.out.println("Please inter your digit to 2 nd number");

num2 = del.nextInt();

result = num1 \* num2;

System.out.println("Total result is "+result);

}

else if(sel==4){

System.out.println("Please inter your digit to 1 st number");

num1 = del.nextDouble();

System.out.println("Please inter your digit to 2 nd number");

num2 = del.nextInt();

result = num1 / num2;

System.out.println("Total result is "+result);

}

else{

System.out.println("Yoy have insetered wrong imput ");

}

}

}

}