Q 1

package hello;

import java.util.\*;

public class Hello {

public static void main(String[] args) {

int total\_time=3000,speed=75,req\_speed;

req\_speed = total\_time/speed;

System.out.println(req\_speed);

}

Q 2(a)

package hello;

import java.util.\*;

public class Hello {

public static void main(String[] args) {

double x,y,z;

Scanner sc= new Scanner(System.in);

x = sc.nextDouble();

y = sc.nextDouble();

z=x\*y;

System.out.println(z);

}}

Q 2(b)

package hello;

import java.util.\*;

public class Hello {

public static void main(String[] args) {

double x,y,area;

Scanner sc= new Scanner(System.in);

x = sc.nextDouble();

y = sc.nextDouble();

area=0.5\*(x\*y);

System.out.println(area);

}}

Q 3

package hello;

import java.util.\*;

public class Hello {

public static void main(String[] args) {

int x,y;

String operator;

Scanner sc= new Scanner(System.in);

x = sc.nextInt()

y = sc.nextInt();

operator=sc.next();

switch(operator){

case "+":

System.out.println(x+y);

break;

case "-":

System.out.println(x-y);

break;

case "\*":

System.out.println(x\*y);

break;

case "/":

System.out.println(x/y);

break;

}}

Q 4

package hello;

import java.util.Scanner;

import java.math.BigInteger;

public class Hello {

public static void main(String[] args) {

float x,y,z;

double a;

String operator;

Scanner sc= new Scanner(System.in);

x = sc.nextFloat();

y = sc.nextFloat();

z = sc.nextFloat();

a=Math.sqrt((x\*x)-4\*(x\*z)/2\*x);

System.out.println(z);

}

}

Q 5

package hello;

import java.util.Scanner;

public class Hello {

public static void main(String[] args) {

int num1;

int num2;

int num3;

int sum;

int average;

int product;

Scanner sc = new Scanner(System.in);

System.out.print("Enter First Integer: ");

num1 = sc.nextInt();

System.out.print("Enter Second Integer: ");

num2 = sc.nextInt();

System.out.print("Enter Third Integer: ");

num3 = sc.nextInt();

sum = num1 + num2 + num3;

average = sum / 3;

product = num1 \* num2 \* num3;

System.out.println(sum);

System.out.println(average);

System.out.println(product);

}}