Lab – Core Java – Day 1 –Rutuja Ghadge

1. **Write a program code for accepting two numbers, divide the first number by second and display their quotient and remainder.**

Ans:- public class ques1 {

public static void main(String[] args)

{

int dividend = 205, divisor = 7;

int quotient = dividend / divisor;

int remainder = dividend % divisor;

System.out.println("The Quotient is = " + quotient);

System.out.println("The Remainder is = " + remainder);

}

**}**

1. **Write a code for accepting distance in kilometers, convert it into miles and display the result.**

Ans:-

import java.util.Scanner;

public class ques2 {

public static void main(String[] args) {

double kilometers;

System.out.println("Please enter the kilometers");

Scanner in = new Scanner(System.in);

kilometers = in.nextDouble();

double miles = kilometers / 1.609;

System.out.println(miles + " miles");

}

}

1. **Write a code for calculating the area of rectangle and square separately.**

Ans:-

public class ques3 {

public static void main(String[] args)

{

CalculateArea ob = new CalculateArea();

ob.area(4);

ob.area(10,12);

}

}

class CalculateArea

{

void area(float x)

{

System.out.println("The area of the square is "+Math.pow(x, 2)+" sq units");

}

void area(float x, float y)

{

System.out.println("The area of the rectangle is "+x\*y+" sq units");

}

}

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| 1. | Ans:- BC |

1. MCQ Questions:

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| 2. | Ans:- c) |
| 3. | Ans:- 12 |
| 4. | Ans:- D) compilations fails due to line 3 |
| 5. | Ans:- A) 112335 |