**Java Assignment – Day 1**

**Q1.** accepting two numbers, divide the first number by second and display their quotient and remainder

Sol:

**package** com.training.core.java.lab.day1;

/\*\*

\*

\* **@author** neha15376

\*accepting two numbers, divide the first number by

second and display their quotient and remainder

\*/

**public** **class** Question1 {

**public** **void** divideNos(**int** num1, **int** num2) {

System.***out***.println("For the numbers "+num1 + " and "+num2+" : ");

**if**(num2 != 0) {

**int** q = num1/num2;

**int** r = num1%num2;

System.***out***.println("Quotient = "+ q +" Remainder = "+r);

}

**else** {

System.***err***.println("Division not possible!");

}

System.***out***.println("");

}

**public** **static** **void** main( String[] args )

{

Question1 q1 = **new** Question1();

q1.divideNos(19, 4);

q1.divideNos(18, 0);

}

}

Q2. accepting distance in kilometers, convert it into miles and display the result.

Sol:

**package** com.training.core.java.lab.day1;

/\*\*

\*

\* **@author** neha15376

\* accepting distance in kilometers, convert it into miles and

display the result.

\*/

**public** **class** Question2 {

**public** **void** kilometersToMiles(**double** km) {

**if**(km >= 0) {

**double** miles = km \* 0.621371;

System.***out***.println(km+"km = " +miles +" miles");

}

**else** {

System.***err***.println("Wrong data!\n");

}

}

**public** **static** **void** main( String[] args )

{

Question2 q2 = **new** Question2();

q2.kilometersToMiles(10);

q2.kilometersToMiles(-7);

}

}

**Q3.** calculating the area of rectangle and square separately

Sol:

**package** com.training.core.java.lab.day1;

/\*\*

\*

\* **@author** neha15376

\* calculating the area of rectangle and square separately

\*/

**public** **class** Question3 {

**public** **void** area(**double** l, **double** b) {

**if**(l <0 || b < 0) {

System.***out***.println("Wrong data");

}

**else** {

System.***out***.println("Area of rectange = "+l\*b);

}

}

**public** **void** area(**double** s) {

**if**(s<0) {

System.***out***.println("Wrong data");

}

**else** {

System.***out***.println("Area of square = "+s\*s);

}

}

**public** **static** **void** main( String[] args )

{

Question3 q3 = **new** Question3();

q3.area(5, 7.4);

q3.area(9.7);

}

}

Q4.

1.

**package** com.training.core.java.lab.day1;

**public** **class** Question4 {

**public** **static** **void** main(**int** []i) {

System.***out***.println("AB");

}

**public** **static** **void** main(String... c) {

System.***out***.println("BC");

}

**public** **static** **void** main(String [][]c) {

System.***out***.println("CD");

}

}

**Sol:** Output: BC

2.

**package** com.training.core.java.lab.day1;

**public** **class** Question5 {

**public** **static** **void** main(String args[]) {

**char** c = 'A';

System.***out***.println(*charToInt*(c));

}

**static** **int** charToInt(**char** c) {

**int** x = c;

**return** x;

}

}

**Sol** - option A - static int charToInt(char c){

3.

**package** com.training.core.java.lab.day1;

**public** **class** Question6 {

**public** **static** **void** main(String args[]) {

{**int** x = 15;}

{**int** x = 20;}

**int** x = 10;

{x = 12;}

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

}

}

Sol: Output: option B – 12

4.

**package** com.training.core.java.lab.day1;

**public** **class** Question7 {

**public** **static** **void** main(String[] args) {

**int** x = 10;

x++;

System.***out***.println(x++);

}

}

**Sol:** output: option B - 11

**5.**

**package** com.training.core.java.lab.day1;

**public** **class** Question8 {

**public** **static** **void** main(String[] args) {

**byte** i=1,j=1;

**while**(i==3 || j<5) {

System.***out***.print(i +" "+j+" ");

i++;

j+=2;

}

}

}

Sol: Output: optionA - 1 1 2 3 3 5