**Q1**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** Divisionof2numbers {

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

Scanner s = **new** Scanner (System.***in***);

System.***out***.println("Enter first number:");

**int** num1 = s.nextInt();

System.***out***.println("Enter second number:");

**int** num2 = s.nextInt();

**float** quotient = (num1/num2);

System.***out***.println("Quotient:"+ quotient);

}

}

**Q2**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** Kmtometers {

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

Scanner s = **new** Scanner (System.***in***);

System.***out***.println("Enter distance in kilometers:");

**int** km = s.nextInt();

**long** result=km\*1000;

System.***out***.println("Distance in meters:"+ result+" meters");

}

}

**Q3**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** SumAndAverage {

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

Scanner s = **new** Scanner (System.***in***);

**int** a[]=**new** **int**[5];

System.***out***.println("Enter 5 numbers:");

**for**(**int** i=0;i<5;i++){

a[i]=s.nextInt();

}

**int** sum=0;

**for**(**int** i=0;i<5;i++){

sum=sum+a[i];

}

**float** average = sum/5;

System.***out***.println("Sum:"+ sum);

System.***out***.println("Average:"+ average);

}

}

**Q4**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** OddorEven {

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

// **TODO** Auto-generated method stub

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter a number:");

**int** num1=s.nextInt();

**if**(num1%2==0){

System.***out***.println("It is even.");

}**else**{

System.***out***.println("It is odd.");

}

}

}

**Q5**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** Largestof2numbers {

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

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter first number:");

**int** num1=s.nextInt();

System.***out***.println("Enter second number:");

**int** num2=s.nextInt();

**if**(num1>=num2){

System.***out***.println(num1+" is largest.");

}**else**{

System.***out***.println(num2+" is largest.");

}

}

}

**Q6**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** Area {

**public** **void** square(**int** side){

**int** area= side\*side;

System.***out***.println("Area of square:"+ area);

}

**public** **void** rectangle(**int** l, **int** b){

**int** area= l\*b;

System.***out***.println("Area of rectangle:"+ area);

}

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

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter side length for square:");

**int** side = s.nextInt();

Area ob = **new** Area();

ob.square(side);

System.***out***.println("Enter length for rectangle:");

**int** length = s.nextInt();

System.***out***.println("Enter breadth for rectangle:");

**int** breadth = s.nextInt();

ob.rectangle(length, breadth);

}

}

**Q7**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** Time {

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

// **TODO** Auto-generated method stub

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter distance in kms:");

**int** distance = s.nextInt();

System.***out***.println("Enter speed in km/hrs:");

**int** speed = s.nextInt();

**float** time= (distance/speed);

System.***out***.println("Time taken:"+ time+" hrs.");

}

}

Q8

**package** basic\_PF;

**public** **class** VowelorConsonant {

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

String str= **new** String("abcd");

String str1=str.toLowerCase();

**if**(str1.charAt(3)=='a'||str1.charAt(3)=='e'||str1.charAt(3)=='i'||str1.charAt(3)=='o'||str1.charAt(3)=='u'){

System.***out***.println("It is a vowel.");

}**else**{

System.***out***.println("It is a consonant.");

}

}

}