1. Create a program that reads the length and width of a farmer's field from the user in feet. Display the area of the field in acres. Hint: There are 43,560 square feet in an acre.
Sample Input 1000 1000
Sample Output 22.95684113865932 acres

```java
import java.util.Scanner;
class feet{
   public static void main(String args[]){

      Scanner scan=new Scanner(System.in);
      int l=scan.nextInt();
      int w=scan.nextInt();
      float area=l*w;
      float acres=area/43560;
      System.out.println(acres+"acres");
   }
}
```

2. An online retailer sells two products: widgets and gizmos. Each widget weighs 75 grams. Each
gizmo weighs 112 grams. Write a program that reads the number of widgets and the number of gizmos from the user. Then your program should compute and display the total weight of the parts.
Sample Input: 10 20
Sample Output: The total weight of all these widgets and gizmos is 2990 grams.

```java
import java.util.Scanner;
class weight{
   public static void main(String args[]){

      Scanner scan=new Scanner(System.in);
      int widget=scan.nextInt();
      int gizmo=scan.nextInt();
      int w= widget*75;
      int g=gizmo*112;
      int total=w+g;
      System.out.println("The total weight of all these widgets and gizmos is" +total+" grams.");
```

3. In many jurisdictions, a small deposit is added to drink containers to encourage people to recycle
them. In one particular jurisdiction, drink containers holding one liter or less have a $0.10
deposit and drink containers holding more than one liter have a $0.25 deposit. Write a program

that reads the number of containers of each size(less and more) from the user. Your program should continue by computing and displaying the refund that will be received for returning those containers. Format the output so that it includes a dollar sign and always displays exactly two decimal places.
Sample Input 10 20
Sample Output Your total refund will be $6.00.

```java
import java.math.RoundingMode;
import java.text.DecimalFormat;
import java.util.Scanner;
class df{

    private static final DecimalFormat d = new DecimalFormat("0.00")
    public static void main (String[] args) {
    Scanner scan=new Scanner(System.in);
    double dc1=scan.nextDouble();
    double dc2=scan.nextDouble();
    dc1=dc1*0.10;
    dc2=dc2*0.25;

    System.out.print("Your total refund will be $"+ d.format(dc1+dc2));
    }
}
```

4. Write a program to find whether the given input number is Odd. If the given number is odd, the program should return 2 else It should return 1.

```java
import java.util.Scanner;
class odd {
    public static void main (String[] args) {
        Scanner scan=new Scanner(System.in);
        int o=scan.nextInt();
        if (o%2!=0){
           System.out.println(2);
        }
        else{
           System.out.println(1);
        }
    }
}
```

5. Write a program that returns the last digit of the given number. Last digit is being referred to the least significant digit i.e. the digit in the ones (units) place in the given number. The last digit should be returned as a positive number.
For example,

if the given number is 197, the last digit is 7. if the given number is -197, the last digit is 7

```java
import java.util.Scanner;
import java.lang.Math;
class last {
    public static void main (String[] args) {
        Scanner scan=new Scanner(System.in);
        int r=Math.abs(scan.nextInt());//Math.abs()
        r=r%10;
        System.out.println(r);
    }
}
```

6. Rohit wants to add the last digits of two given numbers.
For example,
If the given numbers are 267 and 154, the output should be 11.
Below is the explanation:
Last digit of the 267 is 7
Last digit of the 154 is 4
Sum of 7 and 4 = 11
Write a program to help Rohit achieve this for any given two numbers.
Note: Tile sign of the input numbers should be ignored.
if the input numbers are 267 and 154, the sum of last two digits should be 11
if the input numbers are 267 and -154, the slim of last two digits should be 11
if the input numbers are -267 and 154, the sum of last two digits should be 11
if the input numbers are -267 and -154, the sum of last two digits should be 11

```java
import java.util.Scanner;
import java.lang.Math;
class last {
    public static void main (String[] args) {
        Scanner scan=new Scanner(System.in);
        int r=Math.abs(scan.nextInt());//Math.abs()
        int s=Math.abs(scan.nextInt());//Math.abs()
        r=r%10;
        s=s%10;
        int sum =r+s;
        System.out.println(sum);
    }
}
```