1)

**package** java11;

**import** java.util.Scanner;

**public** **class** SimpleIntrest {

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

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

System.***out***.println("Enter Principal Amount, Rate of Interest & No. of Years: ");

**double** principal=sc.nextDouble();

**double** roi=sc.nextDouble();

**double** years=sc.nextDouble();

SimpleInterestInterface calculateSI = (a, b, c)->((a\*b\*c)/100);

System.***out***.println("Total Interest : " + calculateSI.calculate(principal, roi, years));

}

}

**package** java11;

@FunctionalInterface

**public** **interface** SimpleInterestInterface {

**double** calculate(**double** a, **double** b, **double** c);

}

3)

**package** java11;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

**public** **class** ArrayList3 {

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

String str = "A quick brown fox jumps over the lazy dog";

List<String> strList = **new** ArrayList<String>(Arrays.*asList*(str.split(" ")));

Object[] newstr = strList.toArray();

**for** (Object word : newstr) {

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

}

}

}