

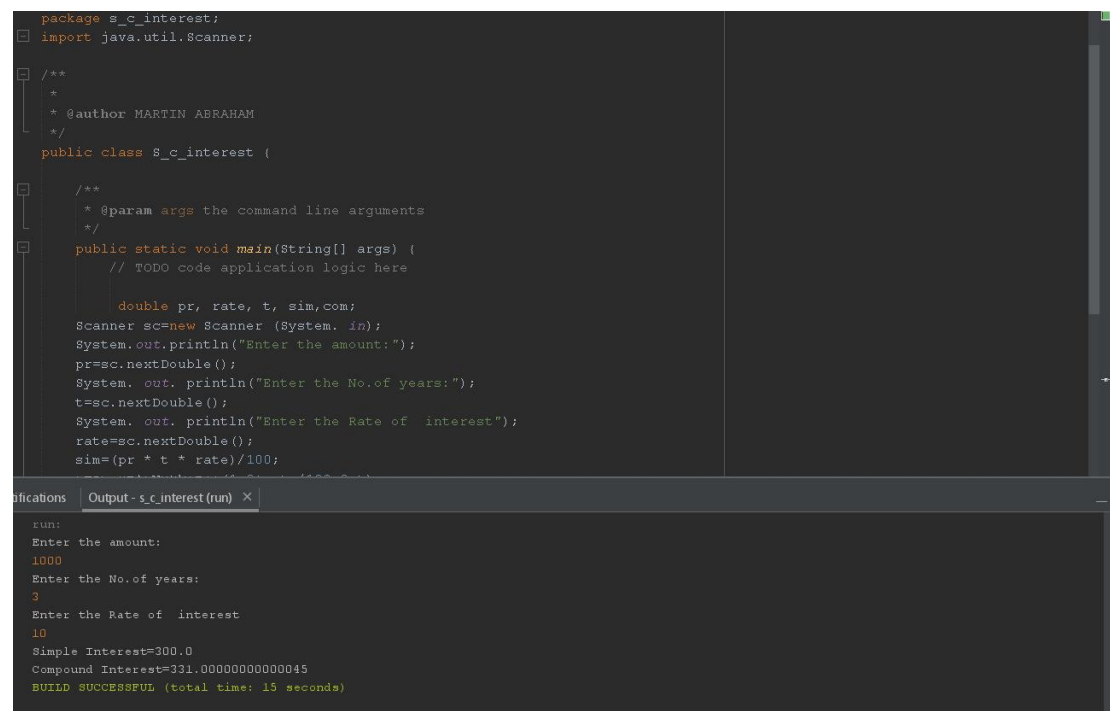
9) Program to find compound and simple interest

```
package s_c_interest;
import java.util.Scanner;

/**
 *
 * @author MARTIN ABRAHAM
 */
public class S_c_interest {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here

        double pr, rate, t, sim, com;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the amount:");
        pr = sc.nextDouble();
        System.out.println("Enter the No. of years:");
        t = sc.nextDouble();
        System.out.println("Enter the Rate of interest");
        rate = sc.nextDouble();
        sim = (pr * t * rate) / 100;
        com = pr * Math.pow(1.0 + rate / 100.0, t) - pr;
        System.out.println("Simple Interest=" + sim);
        System.out.println("Compound Interest=" + com);
    }
}
```



The screenshot shows an IDE with a Java file named `S_c_interest.java`. The code is as follows:

```
package s_c_interest;
import java.util.Scanner;

/**
 *
 * @author MARTIN ABRAHAM
 */
public class S_c_interest {

    /**
     * @param args the command line arguments
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    public static void main(String[] args) {
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        double pr, rate, t, sim, com;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the amount:");
        pr = sc.nextDouble();
        System.out.println("Enter the No. of years:");
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        System.out.println("Enter the Rate of interest");
        rate = sc.nextDouble();
        sim = (pr * t * rate) / 100;
        com = pr * Math.pow(1.0 + rate / 100.0, t) - pr;
        System.out.println("Simple Interest=" + sim);
        System.out.println("Compound Interest=" + com);
    }
}
```

The output window shows the following results:

```
run:
Enter the amount:
1000
Enter the No. of years:
3
Enter the Rate of interest
10
Simple Interest=300.0
Compound Interest=331.000000000000045
BUILD SUCCESSFUL (total time: 15 seconds)
```