

① create a basic calculator application.

```
Public class BasicCalculator {
```

```
    public class static void main (String[] args) {
```

```
        double num1, num2;
```

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

```
        System.out.println("Enter the numbers: ");
```

```
        num1 = sc.nextDouble();
```

```
        num2 = sc.nextDouble();
```

```
        System.out.println("Enter the operator (+, -, *, /): ");
```

```
        char op = sc.next().charAt(0);
```

```
        double o = 0;
```

```
        switch (op) {
```

```
            case '+':
```

```
                o = num1 + num2;
```

```
                break;
```

```
            case '-':
```

```
                o = num1 - num2;
```

```
                break;
```

```
            case '*':
```

```
                o = num1 * num2;
```

```
                break;
```

```
            case '/':
```

```
                o = num1 / num2;
```

```
                break;
```

```
            default:
```

```
                System.out.println("You enter wrong input");
```

```
}
```

```
System.out.println("The final result:");
```

```
System.out.println();
```

```
System.out.println(num1 + " " + op + " " + num2 + " = " + result);
```

```
}
```

```
}
```

Output:

Enter the numbers:

2

2

Enter the operator (+, -, \*, /):

+

The final result:

$2.0 + 2.0 = 4.0$