

Dynamic inputs from User,

Usage of scanner class.

1. The program for taking input from user then calculates the sum and display output on screen

```
import java.util.Scanner;

public class Exercise1 {
    public static void main(String[] args) {
        int num1, num2, sum;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter First Number: ");
        num1 = sc.nextInt();
        System.out.println("Enter Second Number: ");
        num2 = sc.nextInt();
        sc.close(); // this is just to close Scanner object
        sum = num1 + num2;
        System.out.println("Sum of these numbers: " + sum);
    }
}
```

2. The program for taking input from user then calculates the subtraction and display output on screen

```
import java.util.Scanner;

public class Exercise2 {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter first number: ");
        // This method reads the number provided using keyboard
        int num1 = scan.nextInt();
    }
}
```

```
System.out.print("Enter second number: ");
int num2 = scan.nextInt();
// Closing Scanner after the use
scan.close();
// Calculating product of two numbers
int product = num1 - num2;
// Displaying the subtraction result
System.out.println("Output: " + product);
}
}
```

3. The program for taking input from user then calculates the product and display output on screen

```
public class Exercise2 {
    public static void main(String[] args) {

        Scanner scan = new
        Scanner(System.in);
        System.out.print("Enter first number:
        ");
        // This method reads the number provided using keyboard
        int num1 = scan.nextInt();
        System.out.print("Enter second number:
        ");int num2 = scan.nextInt();
        // Closing Scanner after the
        usescan.close();
        // Calculating product of two numbers
        int product = num1 * num2;
        // Displaying the multiplication result
        System.out.println("Output: " + product);
    }
}
```

4. The program for taking input from user then calculates the division and display output on screen

```
import java.util.Scanner;

public class Exercise4 {
    public static void main(String[] args) {
        Scanner scan = new
        Scanner(System.in);
        System.out.print("Enter first number:
        ");
        // This method reads the number provided using keyboard
        int num1 = scan.nextInt();
        System.out.print("Enter second number:
        ");int num2 = scan.nextInt();
        // Closing Scanner after the
        usescan.close();
        // Calculating product of two numbers
        int product = num1/num2;
        // Displaying the division result
        System.out.println("Output: "+product);
    }
}
```

5. The program for taking input from user and display on screen

```
import java.util.Scanner;

public class Exercise6 {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter any number: ");
        // This method reads the number provided using keyboard
        int num = scan.nextInt();
        // Closing Scanner after the use
        scan.close();
        // Displaying the number
        System.out.println("The number entered by user: "+num);
    }
}
```

6. The program for taking input from user while taking two types of inputs one is integer and another is string

```
public class Exercise5 {  
  
    public static void main(String[] args) {  
        int a = 10;  
        System.out.println(a);  
        a = a + 2;  
        System.out.println(a);  
        a = a * 2;  
        System.out.println(a);  
        a = a - 2;  
        System.out.println(a);  
    }  
}
```

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