Code Link : https://www.interviewbit.com/snippet/77c0e4657e25e1b4f159/

```
import java.util.Scanner;


class Main {
    public static void main(String args[]) {
        // Your code goes here
        // violated the rules of programming language
        System.out.println("Hello World");
        System.out.print("Hi");

        // Print different types. of data
        System.out.println(156); // Integer
        System.out.println(156 + 7); // Integer + Integer
        System.out.println("156" + "7"); // String  + String
        System.out.println("156" + 7); // String  + Int
        System.out.println(5 + "Hi" ); // Int + String

        // Int Data
        int marks = 80;
        System.out.println("marks " + marks + 1);
        System.out.println("marks " + (marks + 1));
        System.out.println(marks + 1 + "marks");

        int a = 10;
        int b = a;
        System.out.println(a);
        System.out.println(b);
        System.out.println(a + b);

        // Long Datatype
        // You should not convert from Long to Int to avoid overflow
        long distance = 1234343434334378L; //long should terminate with
        short planets = 9;
        long planets_count = 9L;
        int dist = (int)distance; // Explicit Typecasting
        System.out.println(distance);
        System.out.println(dist);

        // Short
        short red_pixel = 200;
        byte age = 29;
        int money = 1084378;
        System.out.println(red_pixel);
        System.out.println(age);
        System.out.println(money);

        // Floats & Doubles (more precision)
        // by default java treats everything as a Doubles
        double price = 75.38156239067;
        // floating point values should end with f
```

```java
        float cost = 32.56f;
        System.out.println(cost);
        cost = (float)price;
        System.out.println(cost);

        // Char
        char letter = 'A'; //char are written inside single quotes
        // char l = "A"; // ???? Compile Time Error
        System.out.println(letter);
        System.out.println((int)letter); // converting char to int

        int number = (int)letter;  // Typecast char to int
        System.out.println(number);

        char ch = (char)66;
        System.out.println(ch);

        ch = (char)46;
        System.out.println(ch);

        ch = (char)97; // a, b .....
        System.out.println(ch);

        System.out.println((int)'a');

        // Add Chars
        System.out.println('A' + 'B'); // 131 addition

        // Add Strings
        System.out.println("A" + "B"); // AB concatenation

        // Boolean true or false
        boolean isRainy; // Creating a Variable
        isRainy = true; // Assign a value of later

        boolean isSunny = false; // Initialisation (Creating + Assign Value)

        System.out.println(isRainy);
        System.out.println(isSunny);

        // Airthmetic Operators (+, -, *, /, %)
        System.out.println(5 + 4); // 9
        System.out.println(5 - 4); // 1
        System.out.println(5*4);  // 20
        System.out.println(10/3); // 3  (int/int => int )
        System.out.println((float)10/3);  // float -> less precision
        System.out.println(10.0f/3); // float -> less precision
        System.out.println(10.0/3);  // double -> more precision
        System.out.println(17%3); // modulo

        // Input (assignments)
        // Build a Scanner Object  + Use It
```

```java
        Scanner sc = new Scanner(System.in); // magical line (remember)

        // Use Scanner to read input data
        int x1 = sc.nextInt(); // reads the next integer input from custom input
        int x2 = sc.nextInt();

        System.out.println(x1);
        System.out.println(x2);
        System.out.println(x1+x2);

        long mymoney = sc.nextLong();
        System.out.println("money " + mymoney);

        // String Line (ignore as of now)
        sc.nextLine();
        String name = sc.nextLine();
        System.out.print("Hello " + name);



    }
}
```