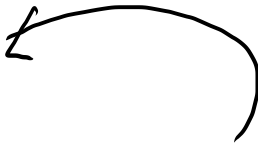


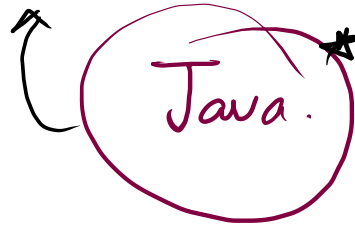
Module. - 1

DSA.



Java.

# Data Structures & Algo.



Programming

Language.

Java.  $\leq$  <sup>1</sup> 2

H

Why?

Java

depth

Module.

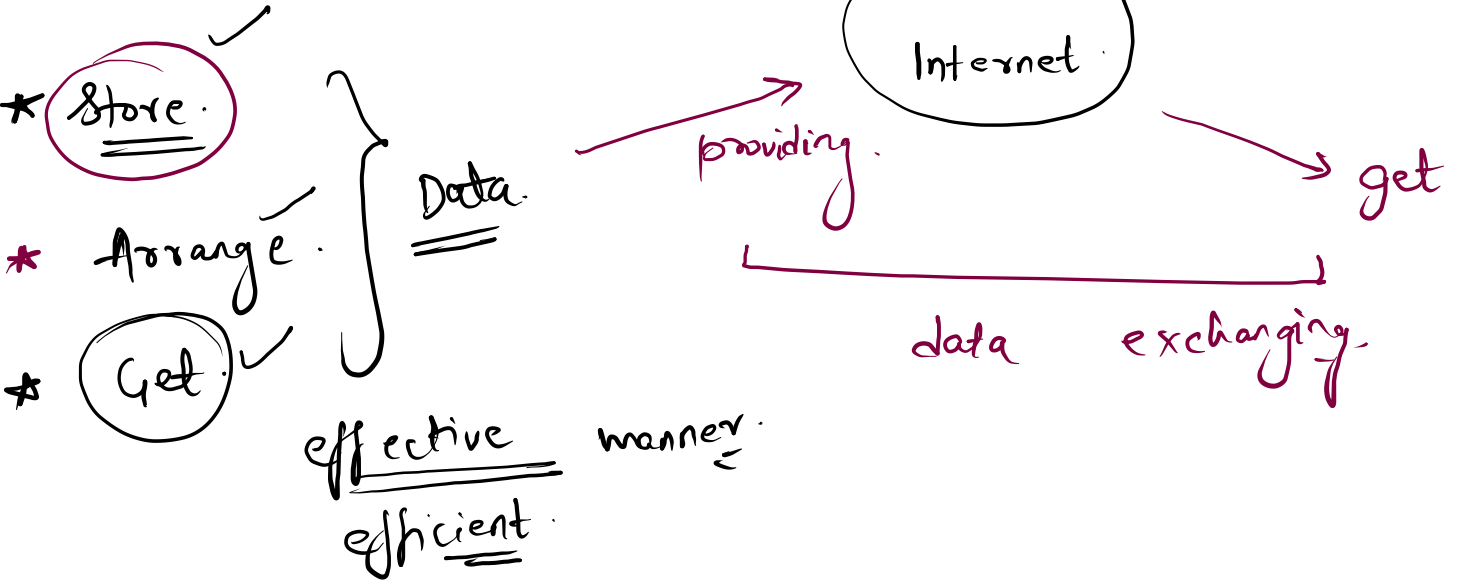
1. Popularity.
2. More Opportunities ✓
3. OOP
4. Fundamental.

Java

MERN.

Python.

# Data Structure & Algorithm



# Algorithm

Process / Steps / Instructions.

required to solve  
a problem.

eg.

sum — 2 numbers.

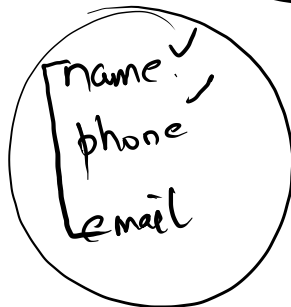
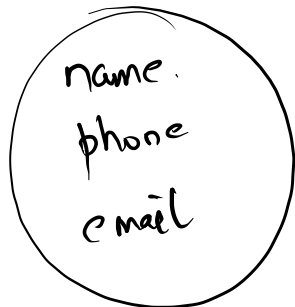
- 1. take 2 i/p
- 2. apply addition operation.
- 3. print result.

eg. 2. Make Tea.

- take water.
- add sugar
- add tea leaf
- add milk.
- serve it.

structured.

40.



480.

email

email ... x40

name

name Aman

email

email

name

email

name

email aman 4813

name

name

name

name

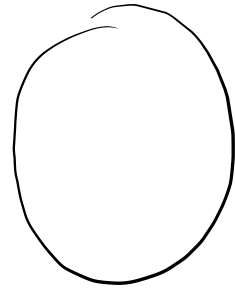
name

x40

email

email

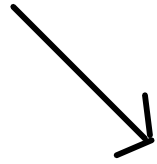
?



Java. }

i/p ✓

=



Process

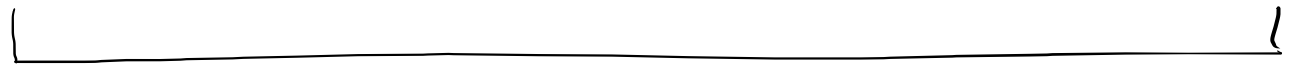
M1/M2



o/p ✓

\* ✓

=



Computer.



Output.



```
System.out.println("Hello World");
```



print

Continue in the  
same line.

println

after printing go to  
new line.

Syntax.

The acceptable way of writing code.

Grammar.

He is a girl.

println.System.out.

meaningless.

```
System.out.println("Aman");  
System.out.print("Geekster");  
System.out.print("Hi");
```

→ Aman  
GeeksterHi

Comment

Java

notes in your code.



more understandable.

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         System.out.print("Hello World. I am here.");
8     }
9 }
```

"Hello World. I am here."

---

# print the pattern-1

Problem

Submissions

Leaderboard

Discussions

In this challenge you have to print "Hello World. I am here." in the pattern shown below.

```
Hello
World.
I
am
here.
```

Hello  
World.  
I  
am  
here.

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         System.out.println("Hello");
8         System.out.println("World.");
9         System.out.println("I");
10        System.out.println("am");
11        System.out.println("here.");
12    }
13 }
```

# print star pattern-1

Problem

Submissions

Leaderboard

Dis...

In this challenge, you have to print the star pattern given below.

```
*****
```

print (" \* \* \* \* \*");

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         System.out.print("*****");
8     }
9 }
```