

"Believe you can and you're halfway there."



- Stay hungry to learn
- Be more energetic
- Be interactive

11-6:30 Live - doubt support

7:30 - 800 → doubt support

8 - 10 - live class

10 - 11 → Booster class

- Programming language.

↳ Computer language → used by programmer to communicate with computers

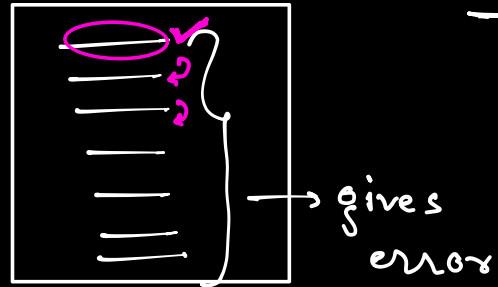
↳ C, C++, python, Java, html, Javascript, 'C#'

- Application - Mobile Apps, websites, 'Games',

What is Java → OAK

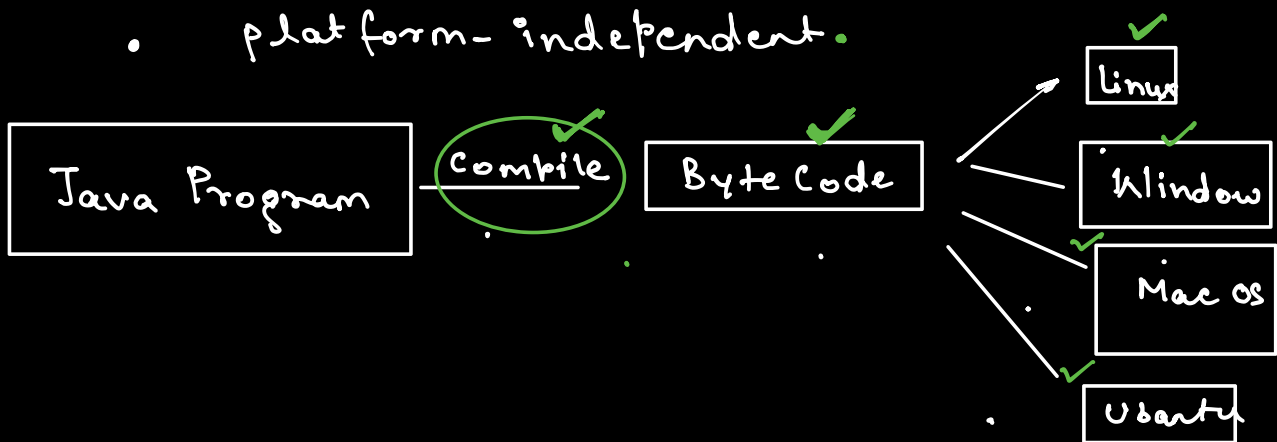
- High Level Lang. , secure, oops,
- James Gosling → Sun Microsystems , → 1991
- 1995 → Java
- 2009 → Oracle ✓

Interpreter Vs Compiler



Feature

- Simple
- secure
- platform-independent.



✓ High Level Lang

- Programmer friendly lang
- Java, C, C++,
- Less Memory Efficient
- Easy to understand
- It is easy to debug
- It is simple to maintain

Low Level Lang

- Machine friendly lang
- 0/1
↳ binary form
- More Memory Efficient
- Difficult
- Complex to debug
- Complex to maintain

 → Writing Code while discussion.

```
1 // "static void main" must be defined in a public class.
2 public class Main {
3     public static void main(String[] args) {
4
5     }
6 }
```

→ boiler plate

→ template

```
1 // "static void main" must be defined in a public class.
2 public class Main {
3     public static void main(String[] args) {
4         System.out.println("Hello Geekster");
5     }
6 }
```

System.out.println(" " " ") → printing

{ System.out.println(); → print that line + next line
 System.out.print(); → print
 print + next line → '\n'

```

2 public class Main {
3     public static void main(String[] args) {
4         ✓ System.out.println("Hello Geekster");
5         System.out.print("Hi ");
6         System.out.print("Everyone!");
7         → System.out.println("Awesome!");
8         System.out.print("Cool"); ✓
9     }
10 }

```

```

Finished in 59 ms
Hello Geekster ✓
→ Hi ○ Everyone! Awesome!
→ Cool

```

1) Print "Hello World. I am here." →

3) Print "*****"

2) Print the below pattern

```

Hello
World.
I
am
here.

```

} different line

4) Print the below pattern

```

"*****
*****
*****"

```

5) Print the below pattern

*

*

*

6) Add two numbers 10,20.

-Multiply three numbers 10,20,30.

-Subtract two numbers 40-20.

7) Find the sum and product of 20, 30, 50.

Divide two numbers $25/10$. $\rightarrow 9$

- 9) Find the remainder when 438 is divided by 9.
- 10) Find the remainder when 4596 is divided by 10.

divisor (10) $\sqrt{25}$ \rightarrow quotient
dividend

$\frac{20}{5}$ \rightarrow remainder

\swarrow \rightarrow division
 \downarrow operator
quotient

\downarrow
%

10 $\sqrt{4596}$
40
59
50
96
90
6