

Introduction

↳ Kunal swai

↳ DSA and logic building

↳ data structures and algorithms

↳ Java

Expectations from you

- always keep your handwritten notes handy
- if missed any class, just go through recorded session before next class.
- always submit questions.

Flow in class

↳ Topic Theory [minimal reqd.]

↳ Practice

↳ Questions

- 1) Understand Question
- 2) Logic building
- 3) Implimentation (Java)
- 4) Doubts

print "Hello World. I am here."

Print statement :-

Syntax:-
1)

System.out.print ("Hello World!!!");

double inverted colons

parenthesis

2) System.out.println ("Hello World!!!");

Initial code

```
import java.io.*;  
import java.util.*;
```

function/method

```
public class Solution {
```

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

```
    }
```

```
}
```

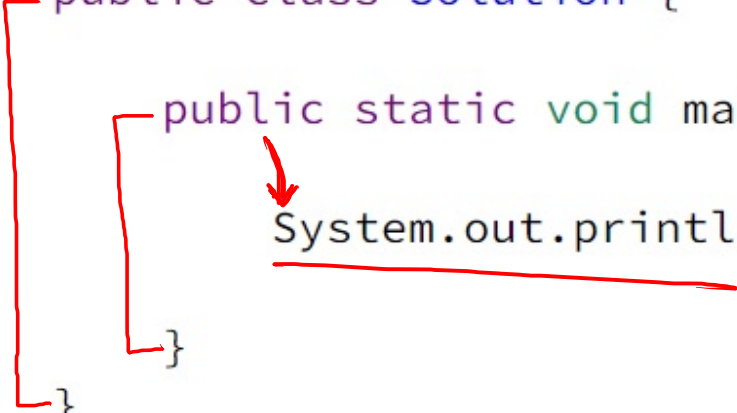
class

Keyword:- Predefined words

print"Hello World. I am here."

```
import java.io.*;
import java.util.*;

public class Solution {
    public static void main(String[] args) {
        System.out.println("Hello World. I am here.");
    }
}
```



print the pattern-1

```
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {

        System.out.println("Hello");
        System.out.println("World.");
        System.out.println("I");
        System.out.println("am");
        System.out.println("here.");

    }

}
```

print star pattern-1


```
import java.io.*;
import java.util.*;

public class Solution {
    public static void main(String[] args) {
        System.out.println("*****");
    }
}
```


print star pattern-2

```
import java.io.*;
import java.util.*;

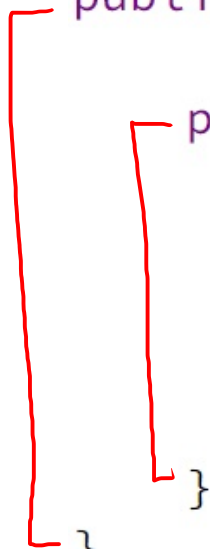
public class Solution {
    public static void main(String[] args) {
        System.out.println("*****");
        System.out.println("*****");
        System.out.println("*****");
    }
}
```

The image shows a Java code snippet for printing a star pattern. The code is color-coded: 'import' is purple, 'java.io.*' and 'java.util.*' are black, 'public class Solution' is blue, 'public static void main' is purple, 'String[]' is green, 'args' is black, and the star patterns are red. Two red brackets are drawn on the left side of the code. The first bracket starts at the 'public class Solution' line and extends down to the closing curly brace of the 'main' method. The second bracket starts at the 'public static void main' line and extends down to the closing curly brace of the 'main' method.

print star pattern-3

```
import java.io.*;
import java.util.*;

public class Solution {
    public static void main(String[] args) {
        System.out.println("*****");
        System.out.println("*");
        System.out.println("*");
        System.out.println("*");
        System.out.println("*****");
    }
}
```

The image shows a Java code snippet for printing a star pattern. The code is enclosed in a class named 'Solution'. The 'main' method is marked as 'public static void'. Inside the 'main' method, five lines of code are used to print the star pattern: a line of five stars, followed by three lines of a single star, and finally another line of five stars. Red brackets are drawn on the left side of the code to indicate the scope of the 'Solution' class and the 'main' method.