JAVA INTERVIEW QUESTIONS

How does System.out.println(); Work?

#7

Code For Interview

System.out.println()

It is a statement which prints the argument passed to it.

System.out.println("Code for Interview");

PrintStream:

PrintStream class provides methods to write data to another stream. Present in **io package**

Methods in PrintStream Class

public void print(parameter)

Basics related to Java

dot (.) Operator: (dot operator). is used only to call methods or variables. So we can say out is either method or variable. But Methods have parenthesis '( )' after name, So out cannot be a method in java. **So out is a variable and println() is a method**.

Class name: Class name should start with Capital letters, **So System is a class**.

System is a Class
out is a Variable
println() is a method

out variable: Is it a static variable or an instance variable?
It is called using class name, So its is a static variable of System class.
But it is calling println() method so 'out' is an object of the reference type PrintStream.

How does System.out.println() works in Java?

System: It is a final class defined in the java.lang package.

out: It is an instance of PrintStream class, which is declared as public and static in System class.

println(): It is a method defined in PrintStream class, hence we can invoke println() using out instance.

QUESTION FOR YOU ALL

What will be the Output of this Program?

```
public class First {

        public static void main(String[] args){

                int a = 8, b = 5;

                System.out.println( a + b );

                System.out.println( a + " " + b);

        }
}
```