Code Explanation

This code is a simple Python program that demonstrates basic concepts like printing, variables, and conditional statements. Let's break it down:  
  
\*\*1. `print("Hello World")`\*\*  
  
\* \*\*`print()`:\*\* This is a built-in function in Python that displays text on the console.  
\* \*\*`"Hello World"`:\*\* This is a string literal, a sequence of characters enclosed in double quotes. It's the text you want to be displayed.  
  
\*\*2. `age=18`\*\*  
  
\* \*\*`age`:\*\* This is a variable, a named storage location for data. In this case, it stores an integer value.  
\* \*\*`=`:\*\* This is the assignment operator, which assigns the value on the right side (18) to the variable on the left side (age).  
  
\*\*3. `if age>18:`\*\*  
  
\* \*\*`if`:\*\* This is a conditional statement that checks if a condition is True.  
\* \*\*`age>18`:\*\* This is the condition being checked. It compares the value of the `age` variable to 18.  
\* \*\*`:`:\*\* This indicates the start of the code block that will be executed if the condition is True.  
  
\*\*4. `print("You are an adult")`\*\*  
  
\* This line is indented, meaning it's part of the code block under the `if` statement.   
\* It will be executed only if the condition `age>18` is True.  
  
\*\*5. `else:`\*\*  
  
\* \*\*`else`:\*\* This is the alternative block of code that executes if the condition in the `if` statement is False.  
  
\*\*6. `print("You are a child")`\*\*  
  
\* This line is also indented, meaning it's part of the `else` block.  
\* It will be executed only if the condition `age>18` is False.  
  
\*\*In Summary:\*\*  
  
This code first prints "Hello World" on the console. Then, it assigns the value 18 to the variable `age`. It checks if the value of `age` is greater than 18. If it is, it prints "You are an adult". Otherwise, it prints "You are a child".  
  
\*\*Execution:\*\*  
  
Since the `age` is set to 18, the condition `age>18` is False. Therefore, the `else` block executes, and the output of the code will be:  
  
```  
Hello World  
You are a child  
```