IP Experiment 4B

Aim: Write a JavaScript program to which will have a Class Person (name, age). Person class will have a method to display the data items of it. Derive a Class Student (name, age, course, marks) from Student Person Display the details of 2 students with name and age age

Theory:

1) **class:** A class is blueprint for creating objects (instances). It defines properties and methods that the objects created from the class will have

Syntax:
```
class <class-Name> {
    constructor (<properties>) {
        this. property = property;
    }
}
```

2) constructor:

The constructor is a special method in a class that is automatically called when a new object instance is created.

3) method:

A method is a function defined within a class. Methods define the behaviours or actions that the objects created from the class con perform

4) extends:

The extends keyword is used to create a new class that inherits from an existing class. The new class inherits all the properties and methods of parent class

5) super:

The super keyword is used to ~~create~~ call the constructor or methods of the parent class from within the subclass.

6) this:

This this keyword refers to the current instance of the class

7) new : The new keyword is used to
create a new instance of a
class .

The new keyword creates and
returns a new instance of
class

Conclusion :
    Details of 2 students
from Class Students is displayed
successfully .

IP - Experiment 4 A

Aim: Write a Java Script program to set the background colour and highlight the text of a paragraph with bold.

Theory:

Keywords used

① document: This represents a global object in JavaScript that represents the HTML document It serves as an entry point to access and manipulate the content of the webpage

② getElementById:
This is a method of the document object used to select a single HTML element by its id attribute

③ style: This property of an HTML element allows you directly manipulate the inline CSS styles of the element via Javascript

④ font Weight: This is a CSS property used to set the thickness of the text. It can be accessed via Javascript using element.style.fontWeight

⑤ background Color:
this is another CSS property used to set the background colour of an element. It can be controlled through JavaScript with element.style.backgroundColor

Conclusion: Java Script program to change background colour and text style is implemented successfully.