### Question number 1

What are microtasks? What is a microtask queue? What is their role in Promises and how are they different from callbacks?

Anwer:

1.a ) Microtask : microtask is the function which executes after the function which created it exists and only if execution stack is empty.

1.b) Microtask Queue : Microtask is queue is same as Callback queue excepts that it has greater priority than callback queue . all the callback function from promises are put on microtask queue.

1.c) Role in Promise : In case of promises the microtask is the function which executes immediately after creating promise and if stack is empty , that’s why we can say promises are eagerly executed.

**Question number 2**

Explain with examples how private, protected variables can be implemented in classes and how can they be used in subclasses?

Answer:

class Person{

    private property = "10acrs";

    protected sirname = "lastname";

}

class Student extends Person{

    constructor(){

        super();

        console.log(this.property); //This property cannot be access here

        console.log(this.sirname); // can be accessed in subclass

    }

}

As shown in above example , the parent class Person has 2 properties “property” and “lastname” which are private and protected respectively.

Private variable “property” cannot be accessed in child class and gives error

Property 'property' is private and only accessible within class 'Person'.

Whereas protected variable “sirname” can be accessed in child class Student.