Constructor

Assignment Questions:-

1->What is constructor?
  A constructor special method of a class or structure in object-oriented programming that initializes a newly created object of that type.Whenever an object is created, the constructor is called automatically.

2-> What is constructor Channing?
   Constructor Channing is the process of calling a sequence of constructor. we can do it in ways;
1=> By using this() keyword for chaining constructor in the same class .
2=>By using super() keyword for chaining constructor from the parent class.

3-> Can we call a subclass constructor from a superclass constructor?
  A subclass can call a constructor defined by its superclass by use of the following form of super(parameter-list); Here, parameter-list specifies any parameters needed by the constructor in the superclass. super() must always be the first statement executed inside a subclass constructor.

4-> What happens if you keep a return type for a constructor?
   A constructor does not have any return type. the data of the value return by a method may very return type of a method indicates the value. A constructor doesn't return any value explicitly, returns the instance of the class to which it belongs.

5-> What is no-arg contractor?
   A constructor that does not accept any arguments, it is called no-arg constructor.

6->How is a no argument constructor different from the default constructor?
  If the programmer write any constructor in the code, then the compiler doesn't add any constructor. Every default constructor is a 0 argument constructor but every 0 argument constructor is not a default constructor.
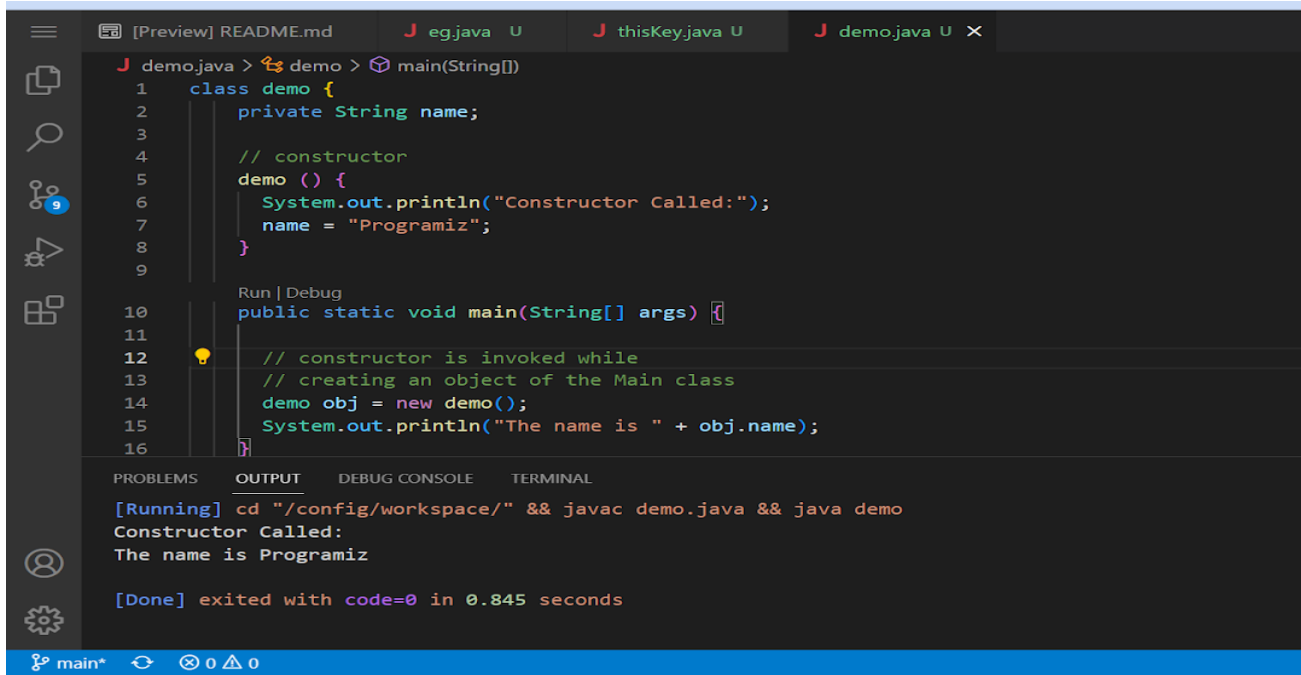
7->When do we need constructor overloading?
  Aaj construction overloading enables the creation of the object of a specific class in several ways, it is most commonly used in Java programs based on the requirement of the programmer. with the use of constructor overloading, object can be initialized with different data types.

8-> What is default constructor explain with an example?
   A default constructor is a constructor that either has no parameter or if it has perimeters, all the parameters have default values.

Example:-

```
J demo.java > t3 demo > main(String[])
1    class demo {
2        private String name;
3
4        // constructor
5        demo () {
6            System.out.println("Constructor Called:");
7            name = "Programiz";
8        }
9
     Run | Debug
10       public static void main(String[] args) {
11
12           // constructor is invoked while
13           // creating an object of the Main class
14           demo obj = new demo();
15           System.out.println("The name is " + obj.name);
16       }
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

[Running] cd "/config/workspace/" && javac demo.java && java demo
Constructor Called:
The name is Programiz

[Done] exited with code=0 in 0.845 seconds
```

Not0:- Please create a Google Document and write your answers and upload the shareable link of the Google Document with view access during the submission of the assignmentM

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