TOPIC NAME : Instance Initializer Block
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Explain the concept of instance initializer blocks in java. what is the purpose of using an instance initializer block?

Answer: An instance initializer block is a block of code within a class that is not associated with any particular method or constructor. It is used to initialize instant variable of an object when the object is created. Instant initialize block are executed whenever an instance of the class i created, right before the constractor is called.

```
class Myclass {
    // instance variable

    {
    // instance initializer block
    // initialization code for instance variable
    }

    // constractors and other Method
}
```

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Example :

```
class Example {
        private int x;
        private int y;
{
    x = 5 ;
    y = 10 ;
   System.out.println("Instance initilizer block executed");
}

public Example() {
    System.out.println ("Constructor executed");
}
public void display() {
   System.out.println(" x : "+ x + ", y :"+ y);
}
public static void main (String[] args) {
    Example obj = new Example();
       obj.Example();
}
}
```

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Explain the role and significance of the instance initializer block in Java?

Answer;

There are mainly three rules for the instance initializer block. They are..

1. The instance initializer block is created when instance of the class is created.
2. The instance initializer block is invoked after the parent class constructor is invoked.
3. The instance initializer block comes in the order in which they appear.