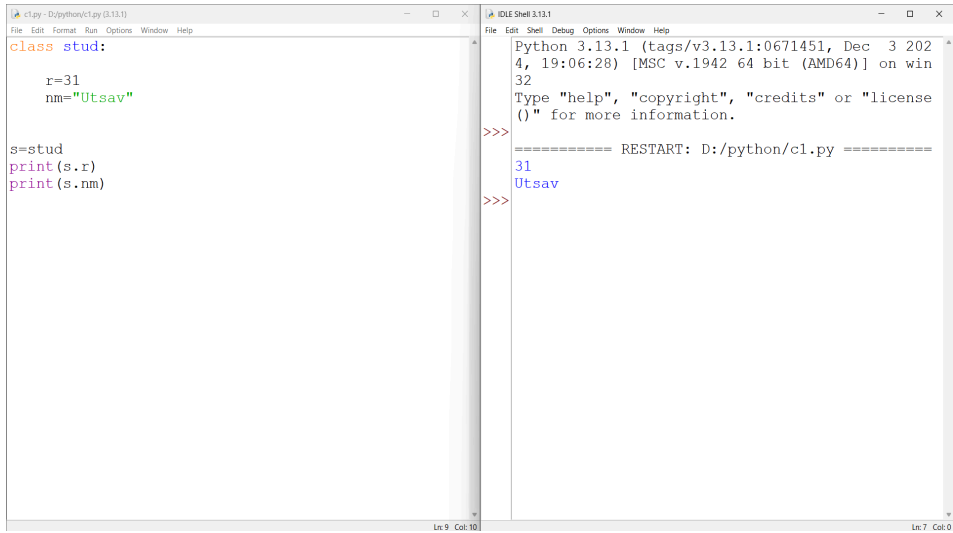
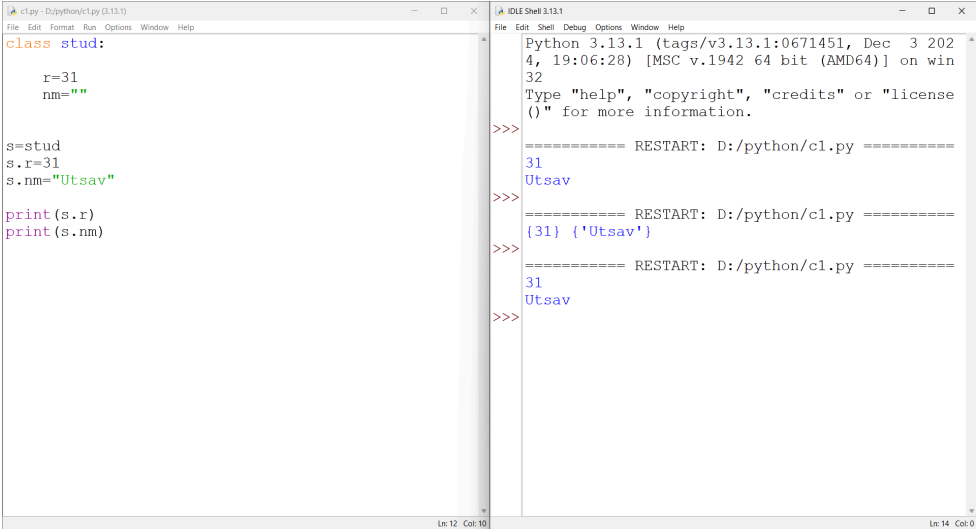


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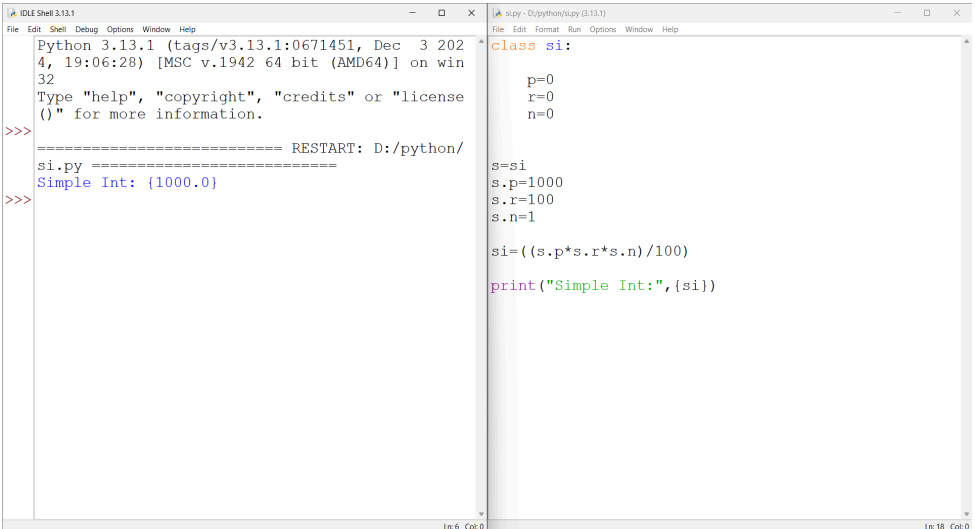
### Tutorial=15

Q.1	Create a class student and print rno,name.
Code	<pre>class stud:      r=31     nm="Utsav"  s=stud print(s.r) print(s.nm)</pre>
Output	 The screenshot shows two windows from the Python IDLE environment. The left window, titled 'c1.py - IDLE Shell (Python 3.13.1)', contains the Python code: <pre>class stud:     r=31     nm="Utsav"  s=stud print(s.r) print(s.nm)</pre> The right window, titled 'IDLE Shell 3.13.1', shows the interactive prompt. It displays the Python version and system information, followed by the prompt 'Type "help", "copyright", "credits" or "license()" for more information.' After pressing Enter, it shows '==== RESTART: D:/python/c1.py =====' followed by the output '31' and 'Utsav' on separate lines, each preceded by a prompt '>>>>'. The status bars at the bottom of both windows indicate 'Ln: 9 Col: 10' and 'Ln: 7 Col: 0' respectively.
Code	<pre>class stud:      r=31     nm=""</pre>

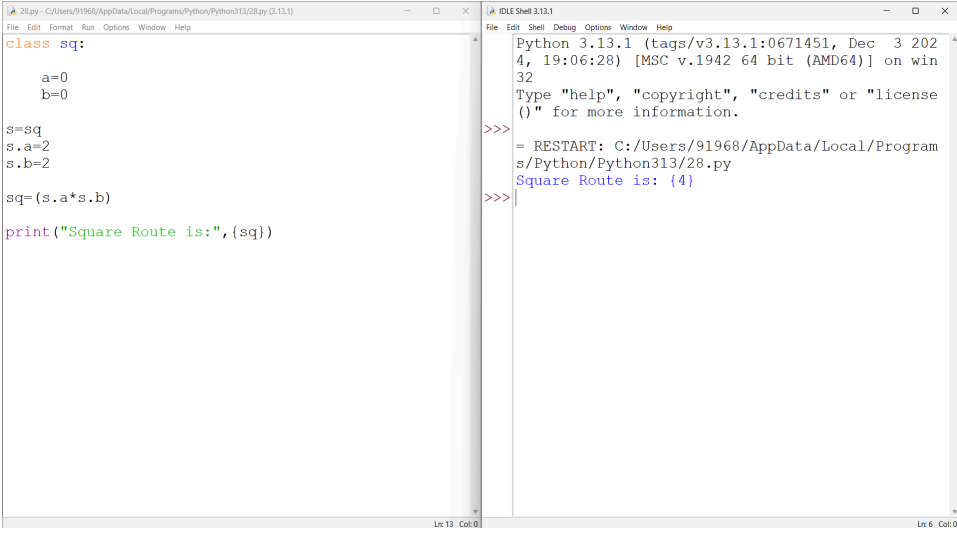
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	<pre>s=stud s.r=31 s.nm="Utsav"  print(s.r) print(s.nm)</pre>
Output	 <p>The screenshot shows a Python IDE with two windows. The left window displays the code: <code>class stud: r=31 nm="" s=stud s.r=31 s.nm="Utsav" print(s.r) print(s.nm)</code>. The right window shows the output: <code>Python 3.13.1 (tags/v3.13.1:0671451, Dec 3 2024, 19:06:28) [MSC v.1942 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information. &gt;&gt;&gt; ===== RESTART: D:/python/c1.py ===== 31 Utsav &gt;&gt;&gt; ===== RESTART: D:/python/c1.py ===== {31} {'Utsav'} &gt;&gt;&gt; ===== RESTART: D:/python/c1.py ===== 31 Utsav &gt;&gt;&gt;</code></p>
Code	<pre>class si:      p=0     r=0     n=0  s=si s.p=1000 s.r=100 s.n=1  si=((s.p*s.r*s.n)/100)</pre>

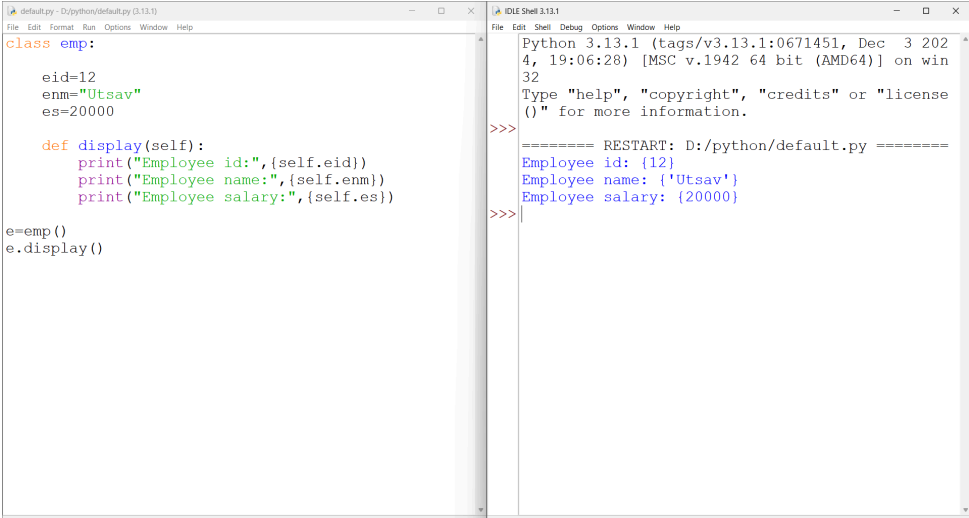
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	<pre>print("Simple Int:",{si})</pre>
Output	 <p>The screenshot shows two windows in Python IDLE 3.13.1. The left window, titled 'si.py', contains the following code: <pre>class si:     p=0     r=0     n=0  s=si s.p=1000 s.r=100 s.n=1  si=((s.p*s.r*s.n)/100) print("Simple Int:",{si})</pre> The right window shows the output of the script execution: <pre>Python 3.13.1 (tags/v3.13.1:0671451, Dec 3 2024, 19:06:28) [MSC v.1942 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information. &gt;&gt;&gt; ===== RESTART: D:/python/si.py ===== Simple Int: {1000.0} &gt;&gt;&gt;</pre></p>
Code	<pre>class sq:      a=0     b=0  s=sq s.a=2 s.b=2  sq=(s.a*s.b)  print("Square Route is:",{sq})</pre>

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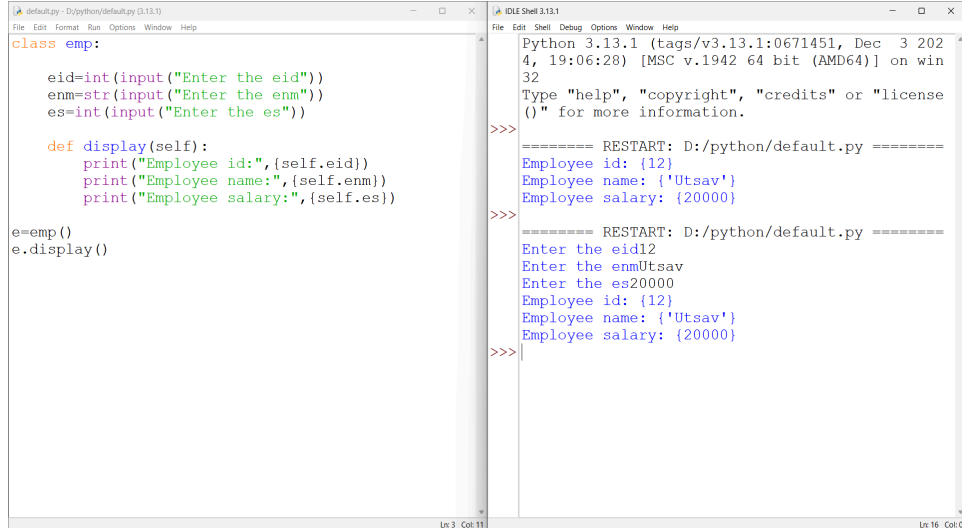
Output	 <p>The screenshot shows a Python IDE with two windows. The left window displays the following code:</p> <pre>class sq:     a=0     b=0  s=sq s.a=2 s.b=2  sq=(s.a*s.b)  print("Square Route is:",{sq})</pre> <p>The right window shows the output of the program:</p> <pre>Python 3.13.1 (tags/v3.13.1:0671451, Dec 3 2024, 19:06:28) [MSC v.1942 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information. &gt;&gt;&gt; = RESTART: C:/Users/91968/AppData/Local/Programs/Python/Python313/28.py Square Route is: {4} &gt;&gt;&gt;</pre>
Q.2	Default Constructor.
Code	<pre>class emp:      eid=12     enm="Utsav"     es=20000      def display(self):         print("Employee id:",{self.eid})         print("Employee name:",{self.enm})         print("Employee salary:",{self.es})  e=emp() e.display()</pre>

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Output	
Q.3	Default constructor with the dynamic Value.
Code	<pre> class emp:      eid=int(input("Enter the eid"))     enm=str(input("Enter the enm"))     es=int(input("Enter the es"))      def display(self):         print("Employee id:",{self.eid})         print("Employee name:",{self.enm})         print("Employee salary:",{self.es})  e=emp() e.display() </pre>

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## Output



The screenshot displays a Python IDE with two windows. The left window, titled 'default.py - D:/python/default.py (3.13.1)', contains the following code:

```
class emp:
    eid=int(input("Enter the eid"))
    enm=str(input("Enter the enm"))
    es=int(input("Enter the es"))

    def display(self):
        print("Employee id:",{self.eid})
        print("Employee name:",{self.enm})
        print("Employee salary:",{self.es})

e=emp()
e.display()
```

The right window, titled 'IDLE Shell 3.13.1', shows the execution output:

```
Python 3.13.1 (tags/v3.13.1:0671451, Dec 3 2024, 19:06:28) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/python/default.py =====
Employee id: {12}
Employee name: {'Utsav'}
Employee salary: {20000}
>>>
===== RESTART: D:/python/default.py =====
Enter the eid12
Enter the enmUtsav
Enter the es20000
Employee id: {12}
Employee name: {'Utsav'}
Employee salary: {20000}
>>>
```