

TASK 5

1	<code>class Student:</code>	Output
2	<code>def init (self):</code>	New Student
3	<code>self.name = None</code>	Student Two
4	<code>self.cgpa = 0.0</code>	New Student
5	<code>s1 = Student()</code>	2.3
6	<code>s2 = Student()</code>	3.3
7	<code>s3 = None</code>	2.3
8	<code>s1.name = "Student One"</code>	old student
9	<code>s1.cgpa = 2.3</code>	oldest student
10	<code>s3 = s1</code>	oldest student
11	<code>s2.name = "Student Two"</code>	2.3
12	<code>s2.cgpa = s3.cgpa + 1</code>	3.5
13	<code>s3.name = "New Student"</code>	3.5
14	<code>print(s1.name)</code>	
15	<code>print(s2.name)</code>	
16	<code>print(s3.name)</code>	
17	<code>print(s1.cgpa)</code>	
18	<code>print(s2.cgpa)</code>	
19	<code>print(s3.cgpa)</code>	
20	<code>s3 = s2</code>	
21	<code>s1.name = "old student"</code>	
22	<code>s2.name = "older student"</code>	
23	<code>s3.name = "oldest student"</code>	
24	<code>s2.cgpa = s1.cgpa - s3.cgpa + 4.5</code>	
25	<code>print(s1.name)</code>	
26	<code>print(s2.name)</code>	
27	<code>print(s3.name)</code>	
28	<code>print(s1.cgpa)</code>	
29	<code>print(s2.cgpa)</code>	
30	<code>print(s3.cgpa)</code>	

S1 → DHK ↙ S3

--init--	Instance Variable	
self	name	cgpa
DHK	None student one New student Old student	0.0 2.3

S2 → CHTG ↙ S3

--init--	Instance Variable	
self	name	cgpa
CHTG	None student Two Older student Oldest Student	0.0 3.3 3.5

S3 = ~~None~~