**Exercise\_No:13**

**Date:23-11-2020**

**Aim:**

**To print the output for the given program using python**

**Program:**

**class Apparel:**

**counter=100**

**def \_\_init\_\_(self,price,item\_type):**

**Apparel.counter+=1**

**self.\_item\_id=item\_type[0]+str(Apparel.counter)**

**self.\_price=price**

**self.\_item\_type=item\_type**

**def calculate\_price(self):**

**self.\_price+=self.\_price\*0.05**

**def get\_item\_id(self):**

**return self.\_item\_id**

**def get\_price(self):**

**return self.\_price**

**def get\_item\_type(self):**

**return self.\_item\_type**

**def set\_price(self,price):**

**self.\_price=price**

**return self.\_price**

**class Cotton(Apparel):**

**def \_\_init\_\_(self,price,discount):**

**super().\_\_init\_\_(price,'Cotton')**

**self.\_discount=discount**

**def calculate\_price(self):**

**super().calculate\_price()**

**price=self.get\_price()**

**price-=price\*(self.\_discount/100)**

**price+=price\*0.05**

**self.set\_price(price)**

**return price**

**def get\_discount(self):**

**return self.\_discount**

**class Silk(Apparel):**

**def \_\_init\_\_(self,price):**

**super().\_\_init\_\_(price,'Silk')**

**self.\_points=None**

**def calculate\_price(self):**

**super().calculate\_price()**

**if(self.get\_price()>10000):**

**self.\_ponits=10**

**else:**

**self.\_points=3**

**return self.set\_price(self.get\_price()+(self.get\_price()\*0.1))**

**def get\_points(self):**

**return self.\_points**

**silk=int(input())**

**cotton=int(input())**

**discount=int(input())**

**a=Silk(silk)**

**print(a.calculate\_price())**

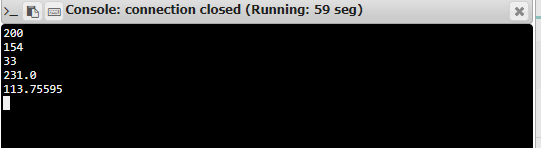
**b=Cotton(cotton,discount)**

**print(b.calculate\_price())**

**Link:**

[**http://103.53.53.18/mod/vpl/forms/submissionview.php?id=328&userid=1684#**](http://103.53.53.18/mod/vpl/forms/submissionview.php?id=328&userid=1684#)

**Output:**



**Result:**

**Thus, the output for the program is successfully executed.**