**EX.NO:** 13  **APPAREL SHOP MANAGEMENT**

**DATE:** 23.11.2020

**AIM:**

To write a Python program to print the desired price in apparel shop

**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\_price(self):

return self.\_\_price

def set\_price(self, price):

self.\_\_price = price

return self.\_\_price

class Cotton(Apparel):

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

super().\_\_init\_\_(price, 'C')

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

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.\_\_points = 10

else:

self.\_\_points = 10

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

silk = int(input())

cotton = int(input())

discount = int(input())

a = Silk(silk)

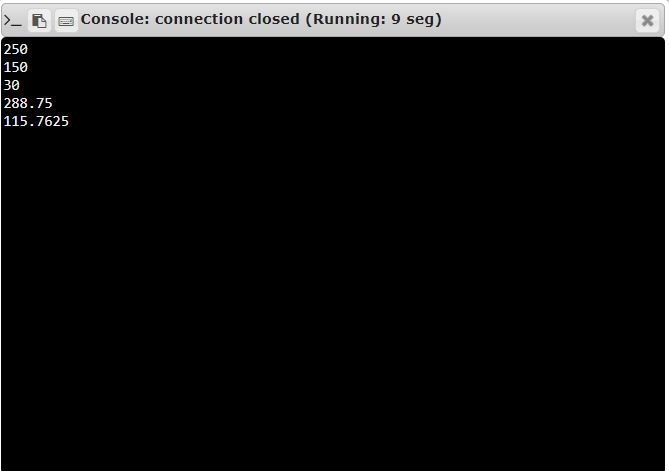
print(a.calculate\_price())

b = Cotton(cotton, discount)

print(b.calculate\_price())

**LINK:** <http://103.53.53.18/mod/vpl/forms/edit.php?id=328&userid=1789#>

**OUTPUT:**



**RESULT:**

The Desired price is calculated and printed successfully.