```
#1 A shop will give discount of 20% if the customer shopping is more than
2000. Write a program to perform following tasks:
# i. Show product price to customers.
# ii. Ask user for quantity if, one unit will cost 100 then calculate and
Print total cost for user and discount given.

rate = 100

print('The rate of product for 1 quantity is: {0}'.format(rate))

quantity = int(input('Please enter the number of quantity: '))

total = rate * quantity

if(total > 2000):
    discounted_cost = (total * 20) / 100
    print('The total cost is {0}'.format(discounted_cost))
else:
    print('The total cost is: {0}'.format(total))
```

Output:

import sys; print('Python %s on %s' % (sys.version, sys.platform))

sys.path.extend(['D:\\CODING\\PYTHON', 'D:/CODING/PYTHON'])

PyDev console: starting.

Python 3.9.4 (tags/v3.9.4:1f2e308, Apr 6 2021, 13:40:21) [MSC v.1928 64 bit (AMD64)] on win32

runfile('D:/CODING/PYTHON/venv/program12.py', wdir='D:/CODING/PYTHON/venv')

The rate of product for 1 quantity is: 100

Please enter the number of quantity: >? 50

The total cost is 1000.0

```
#2. As per attendance policy of GSFC University a student will not be
allowed to sit in exam if his/her attendance is less than 75%. Perform
following tasks:
#i. Take following input from user
#a. Number of classes held
#b. Number of classes attended.
```

```
#ii. Print following output
#a. percentage of class attended
#Is student is allowed to sit in exam or not.

held = int(input('Please enter the number of classes held: '))
attended = int(input('Please enter the number classes attended: '))

percent_of_attended = (attended * 100) / held

print('Your attendance is: ',percent_of_attended)

if percent_of_attended >= 75:
    print('You are allowed to sit in the examination.')
else:
    print('You are not allowed to sit in the examination!!!')
```

Output:

import sys; print('Python %s on %s' % (sys.version, sys.platform))

sys.path.extend(['D:\\CODING\\PYTHON', 'D:/CODING/PYTHON'])

PyDev console: starting.

Python 3.9.4 (tags/v3.9.4:1f2e308, Apr 6 2021, 13:40:21) [MSC v.1928 64 bit (AMD64)] on win32

runfile('D:/CODING/PYTHON/venv/program12.py', wdir='D:/CODING/PYTHON/venv')

Please enter the number of classes held: >? 150

Please enter the number classes attended: >? 125

Your attendance is: 83.33333333333333

You are allowed to sit in the examination.