



assignment1 - 1_a.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_a.py

Project ▾

- assignment1 ~/PycharmProjects/assignment1
 - venv
 - 1_a.py
 - 1_b.py
 - 1_c.py
 - 1_d.py
 - 1_e.py
 - 1_f.py
 - 1_g.py
 - 1_h.py
 - 1_i.py

1_j.py x 1_a.py x 1_o.py x 1_p.py x 1_q.py x 2.py x 3.py x 4.py x 5.py x 6.py x

```
1 # Save your name and print it.  
2 # Abhinav Agarwal  
3 # Roll 01  
4 # CSE - 2nd Year  
5  
6 print("Abhinav Agarwal")
```

Run: 1_j x 1_a x

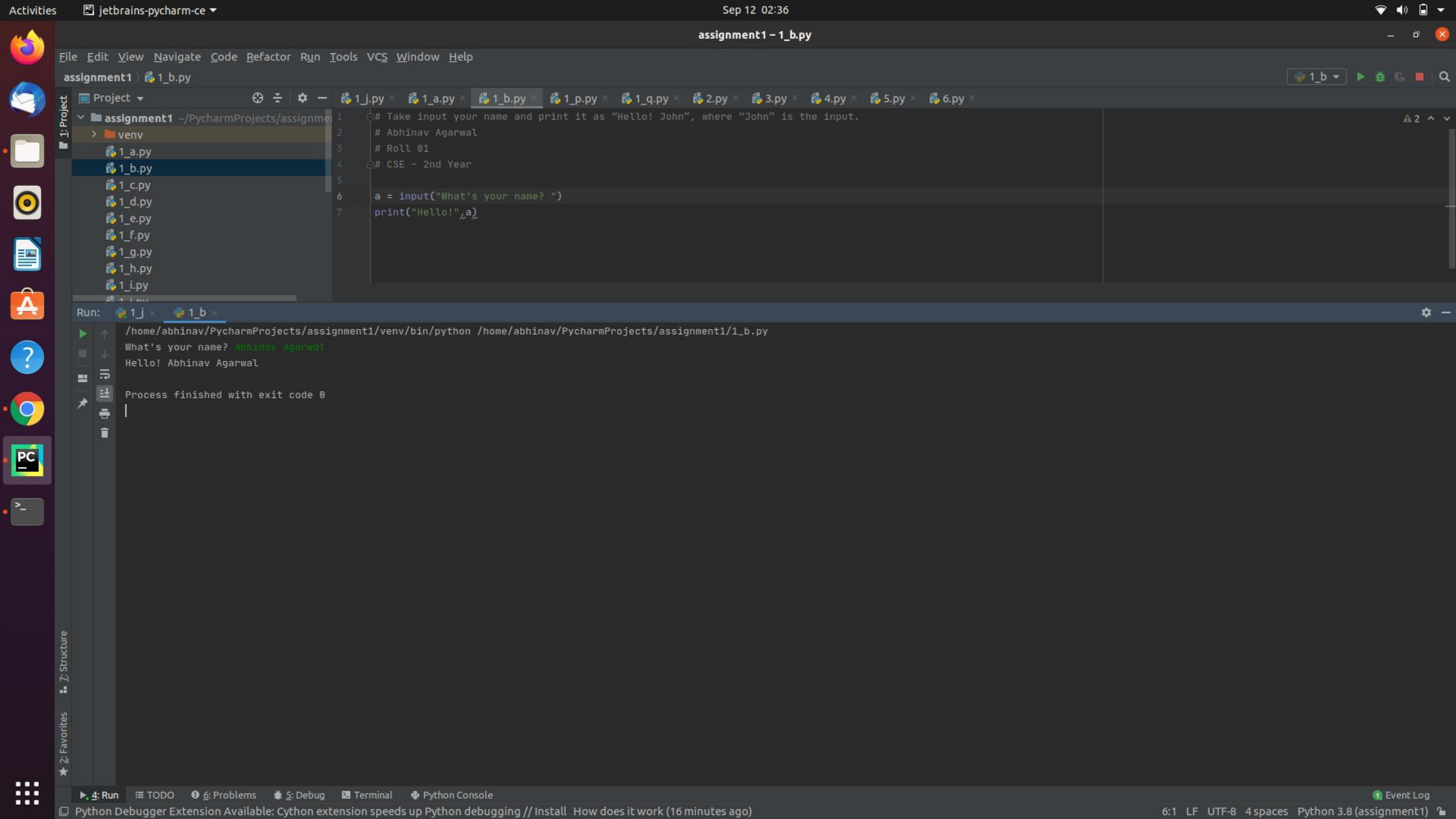
/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_a.py
Abhinav Agarwal

Process finished with exit code 0

Run TODO Problems Debug Terminal Python Console

Python Debugger Extension Available: Cython extension speeds up Python debugging // Install How does it work (15 minutes ago)

4:17 LF UTF-8 4 spaces Python 3.8 (assignment1) Event Log



assignment1 - 1_c.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 > 1_c.py

1_c [run] [debug] [terminal] [search]

Project [icons] 1_j.py × 1_a.py × 1_b.py × 1_c.py × 1_p.py × 2.py × 3.py × 4.py × 5.py × 6.py ×

Project

- assignment1 ~/PycharmProjects/assignment1
 - venv
 - 1_a.py
 - 1_b.py
 - 1_c.py
 - 1_d.py
 - 1_e.py
 - 1_f.py
 - 1_g.py
 - 1_h.py
 - 1_i.py

```
1 # Add two numbers. Input the two numbers.  
2 # Abhinav Agarwal  
3 # Roll 01  
4 # CSE - 2nd Year  
5  
6 a = int(input("Enter first number: "))  
7 b = int(input("Enter second number: "))  
8 print("Sum is",int(a+b))
```

Run: 1_j × 1_c ×

```
/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_c.py  
Enter first number: 10  
Enter second number: 15  
Sum is 25  
  
Process finished with exit code 0
```

Z-Structure
★ Favorites

Run [icons] TODO [icons] Problems [icons] Debug [icons] Terminal [icons] Python Console [icons]

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Event Log

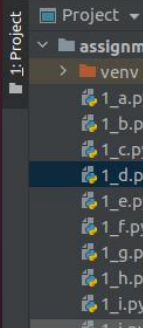
7:1 LF UTF-8 4 spaces Python 3.8 (assignment1)

assignment1 - 1_d.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_d.py

1_d [Run] [Debug] [Test] [Close] [Find]



```
1 # Subtract two numbers. Input the two numbers.
2 # Abhinav Agarwal
3 # Roll 01
4 # CSE - 2nd Year
5
6 a = int(input("Enter first number: "))
7 b = int(input("Enter second number: "))
8 print(a, "-", b, "=", int(a-b))
```

Run: 1_j 1_d

```
/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_d.py
Enter first number: 10
Enter second number: 15
10 - 15 = -5

Process finished with exit code 0
```

Z-Structure
Favorites

Run TODO Problems Debug Terminal Python Console

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Event Log

7:1 LF UTF-8 4 spaces Python 3.8 (assignment1)

Activities

jetbrains-pycharm-ce

assignment1 - 1_e.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_e.py

Project

assignment1 ~/PycharmProjects/assignment1

venv

1_a.py

1_b.py

1_c.py

1_d.py

1_e.py

1_f.py

1_g.py

1_h.py

1_i.py

1_j.py

1_a.py

1_b.py

1_c.py

1_d.py

1_e.py

3.py

4.py

5.py

6.py

1

2

3

4

5

6

7

8

Multiply two numbers. Input the two numbers.

Abhinav Agarwal

Roll 01

CSE - 2nd Year

a = int(input("Enter first number: "))

b = int(input("Enter second number: "))

print("Multiplication is",int(a*b))

Run: 1_j 1_e

/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_e.py

Enter first number: 10

Enter second number: 15

Multiplication is 150

Process finished with exit code 0

Run

TODO

Problems

Debug

Terminal

Python Console

Python Debugger Extension Available: Cython extension speeds up Python debugging // Install How does it work (16 minutes ago)

7:1 LF UTF-8 4spaces Python 3.8 (assignment1)

Event Log

Activities

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Sep 12 02:37

assignment1 - 1_f.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_f.py

Project

assignment1 ~/PycharmProjects/assignment1

venv

1_a.py

1_b.py

1_c.py

1_d.py

1_e.py

1_f.py

1_g.py

1_h.py

1_i.py

1_j.py

1_a.py

1_b.py

1_c.py

1_d.py

1_e.py

1_f.py

4.py

5.py

6.py

1

2

3

4

5

6

7

8

9

Divide two numbers. Print remainder. Input the two numbers.

Abhinav Agarwal

Roll 01

CSE - 2nd Year

a = int(input("Enter first number: "))

b = int(input("Enter second number: "))

print("Quotient is",int(a/b))

print("Remainder is",int(a%b))

Run: 1_j 1_f

/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_f.py

Enter first number: 10

Enter second number: 15

Quotient is 0

Remainder is 10

Process finished with exit code 0

Run

TODO

Problems

Debug

Terminal

Python Console

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8:1 LF UTF-8 4 spaces Python 3.8 (assignment1)

Event Log

Activities

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assignment1 - 1_g.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_g.py

Project

assignment1 ~/PycharmProjects/assignment1

venv

1_a.py

1_b.py

1_c.py

1_d.py

1_e.py

1_f.py

1_g.py

1_h.py

1_i.py

1_j.py

1_j.py

1_a.py

1_b.py

1_c.py

1_d.py

1_e.py

1_f.py

1_g.py

5.py

6.py

1

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8

9

10

11

#Divide two numbers truncating the fractional part. Input the two numbers.

Abhinav Agarwal

Roll 01

CSE - 2nd Year

import math

a = float(input("Enter first number: "))

b = float(input("Enter second number: "))

c = math.trunc(a/b)

print(a,"/" ,b,"=" ,c)

Run: 1_j 1_g

/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_g.py

Enter first number: 10

Enter second number: 15

10.0 / 15.0 = 0

Process finished with exit code 0

Run

TODO

Problems

Debug

Terminal

Python Console

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7:1 LF UTF-8 4spaces Python 3.8 (assignment1)

Event Log

Activities

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Sep 12 02:37

assignment1 - 1_h.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_h.py

Project

assignment1 ~/PycharmProjects/assignment1

venv

1_a.py

1_b.py

1_c.py

1_d.py

1_e.py

1_f.py

1_g.py

1_h.py

1_i.py

1_j.py

1_j.py

1_a.py

1_b.py

1_c.py

1_d.py

1_e.py

1_f.py

1_g.py

1_h.py

6.py

1

2

3

4

5

6

7

8

Find a^b . Input the two numbers.

Abhinav Agarwal

Roll 01

CSE - 2nd Year

a = int(input("Enter first number: "))

b = int(input("Enter second number: "))

print(a,"^",b,"is",int(a**b))

Run: 1_j 1_h

/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_h.py

Enter first number: 2

Enter second number: 3

2 ^ 3 is 8

Process finished with exit code 0

Run

TODO

Problems

Debug

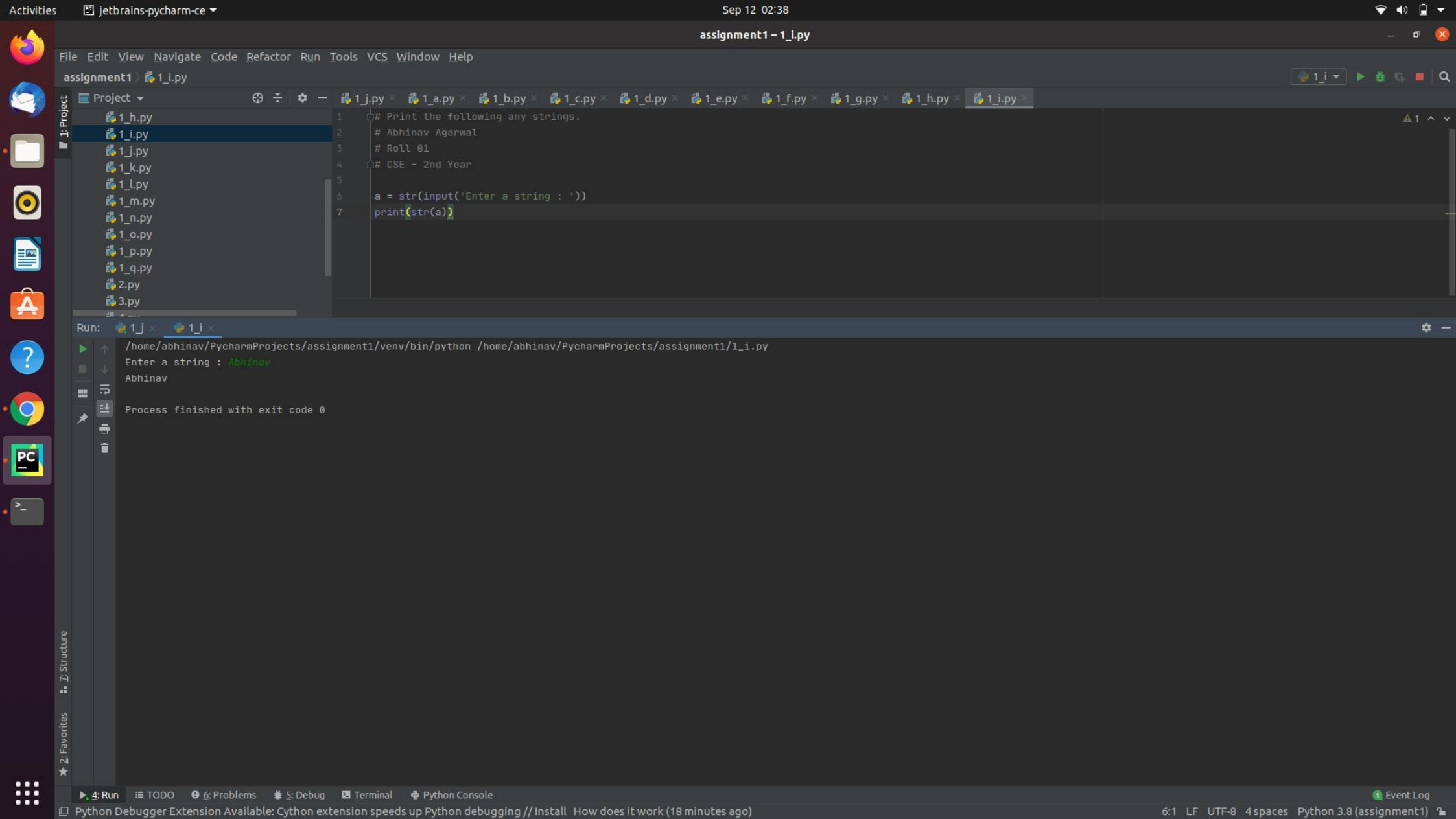
Terminal

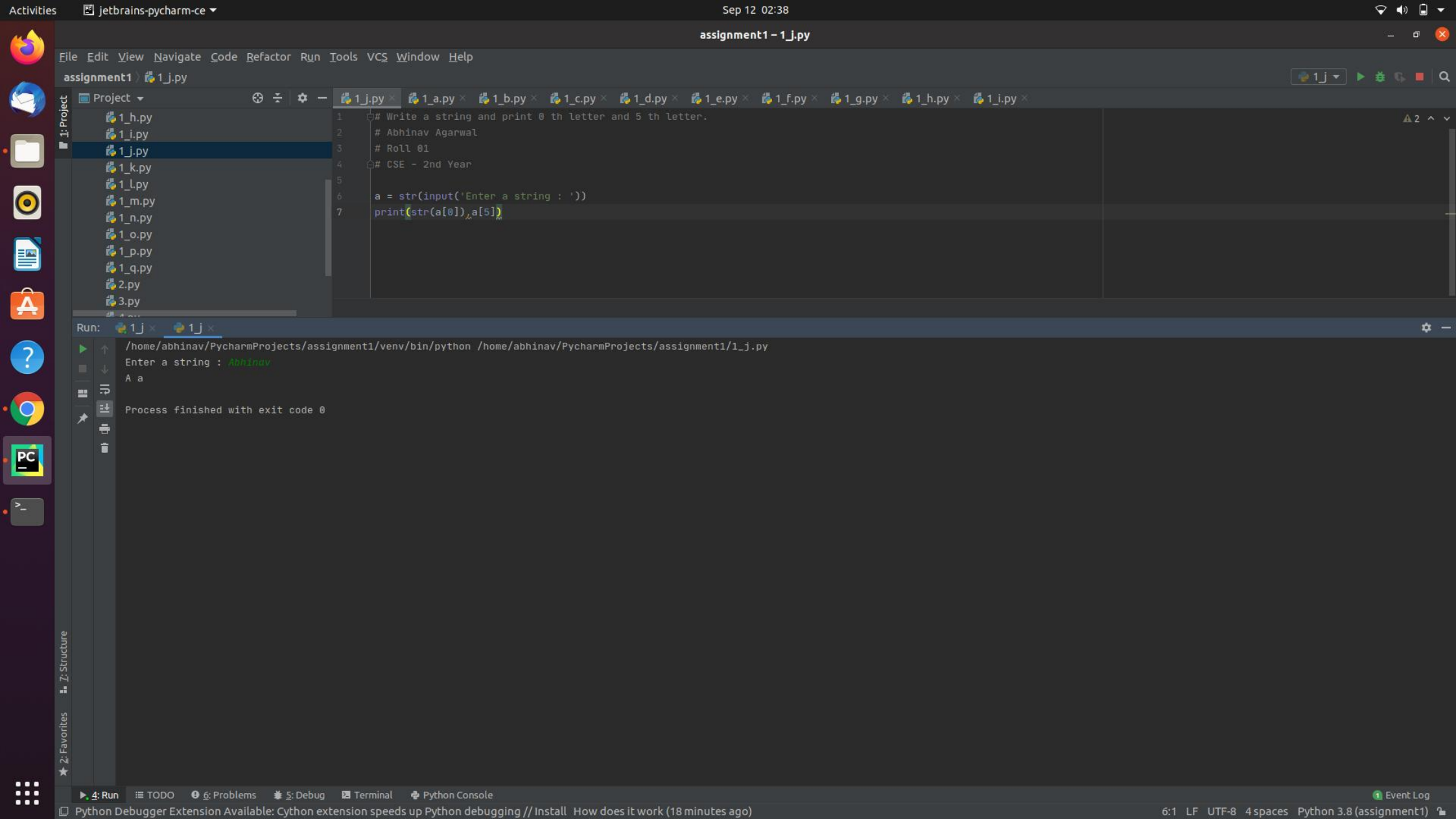
Python Console

Python Debugger Extension Available: Cython extension speeds up Python debugging // Install How does it work (17 minutes ago)

7:1 LF UTF-8 4 spaces Python 3.8 (assignment1)

Event Log





Activities

jetbrains-pycharm-ce

assignment1 - 1_k.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_k.py

Project

1_h.py

1_i.py

1_j.py

1_k.py

1_l.py

1_m.py

1_n.py

1_o.py

1_p.py

1_q.py

2.py

3.py

1_j.py

1_k.py

1_b.py

1_c.py

1_d.py

1_e.py

1_f.py

1_g.py

1_h.py

1_i.py

1

2

3

4

5

6

7

Write two words with an escape sequence in between. Now print it.

Abhinav Agarwal

Roll 01

CSE - 2nd Year

print("Abhinav\t\t\tAgarwal")

print("Abhinav\nAgarwal")

Run: 1_j 1_k

/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_k.py

Abhinav Agarwal

Abhinav Agarwal

Process finished with exit code 0

Run

TODO

Problems

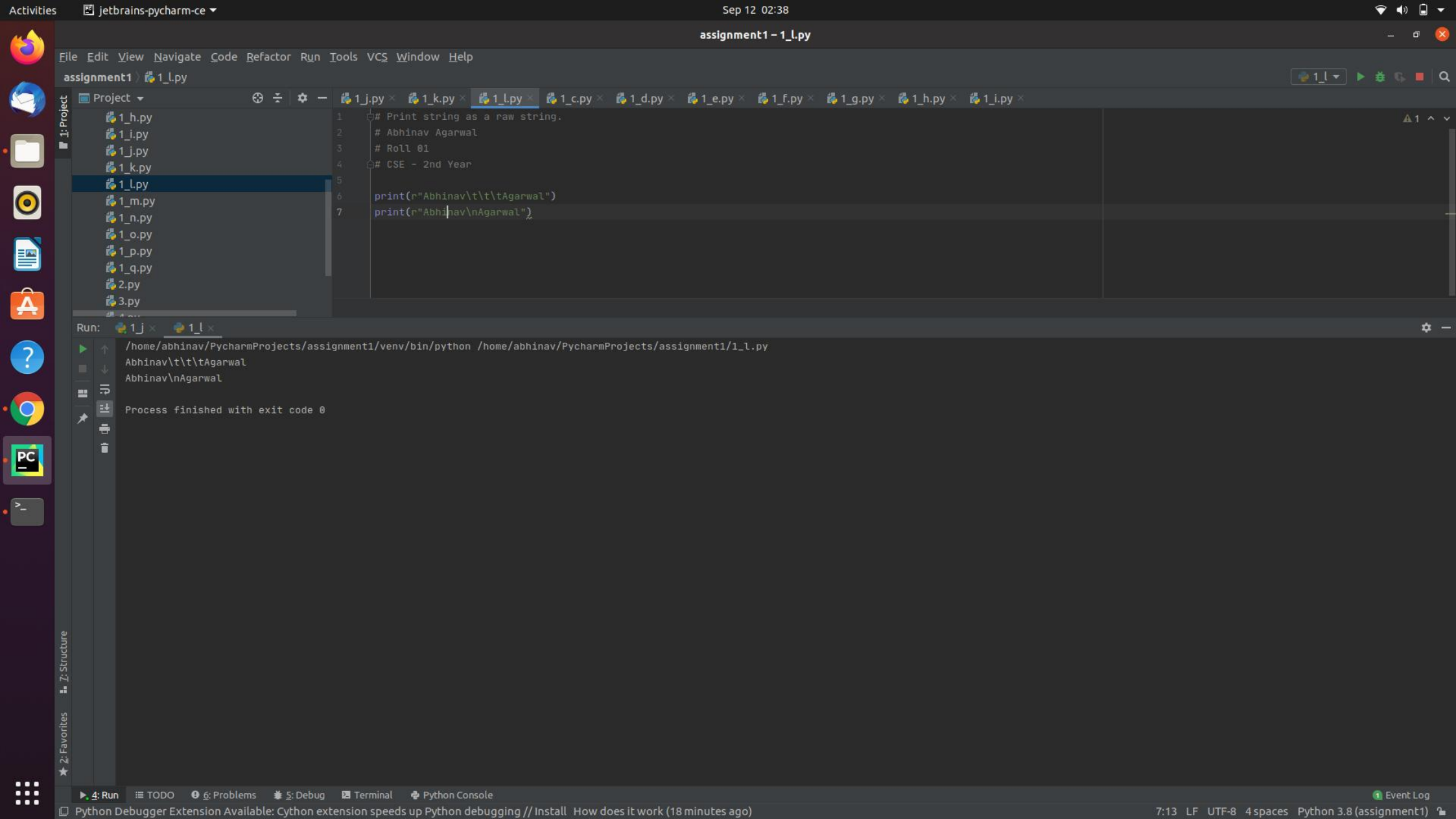
Debug

Terminal

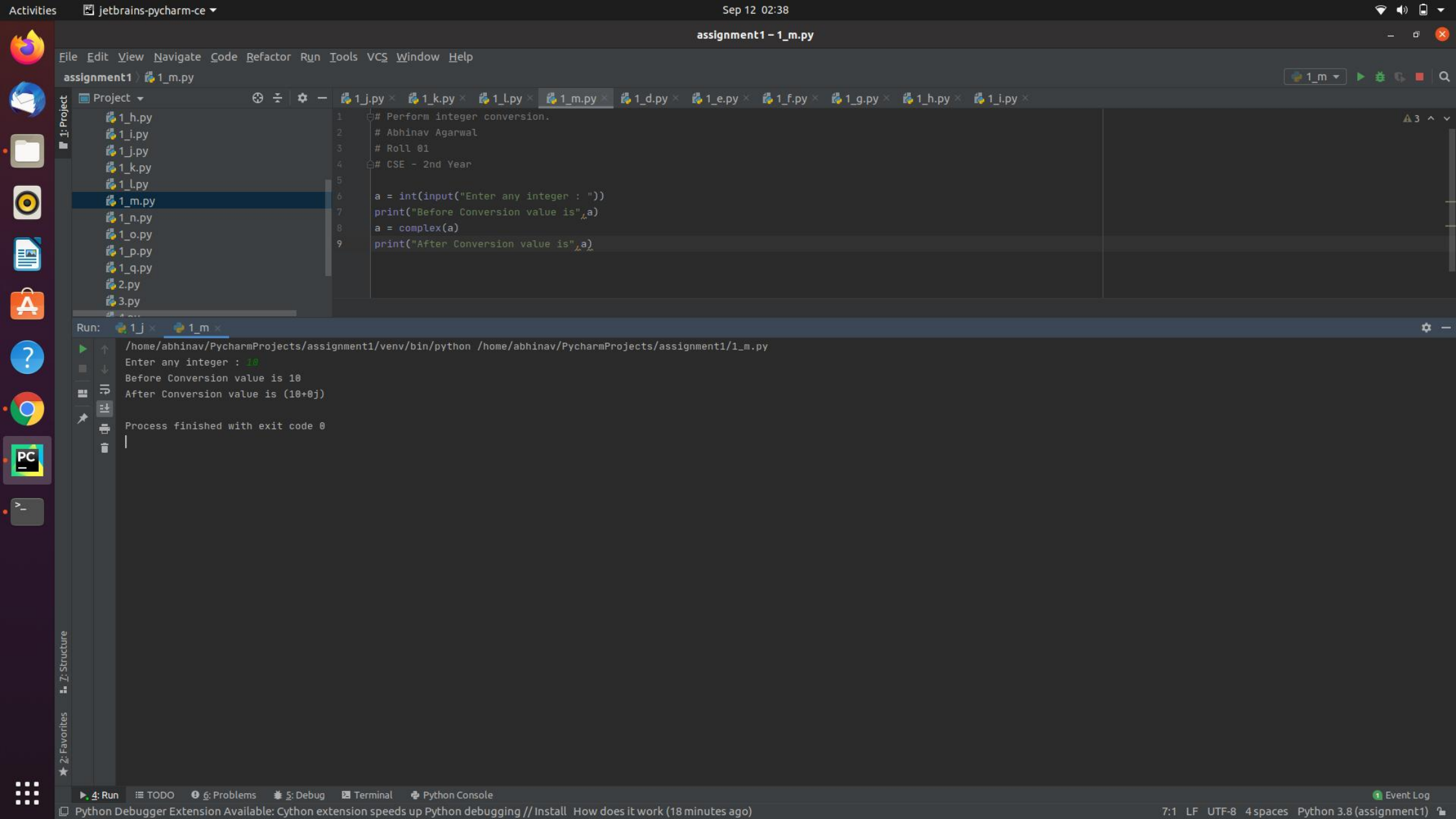
Python Console

Python Debugger Extension Available: Cython extension speeds up Python debugging // Install How does it work (18 minutes ago)

7:16 LF UTF-8 4 spaces Python 3.8 (assignment1)

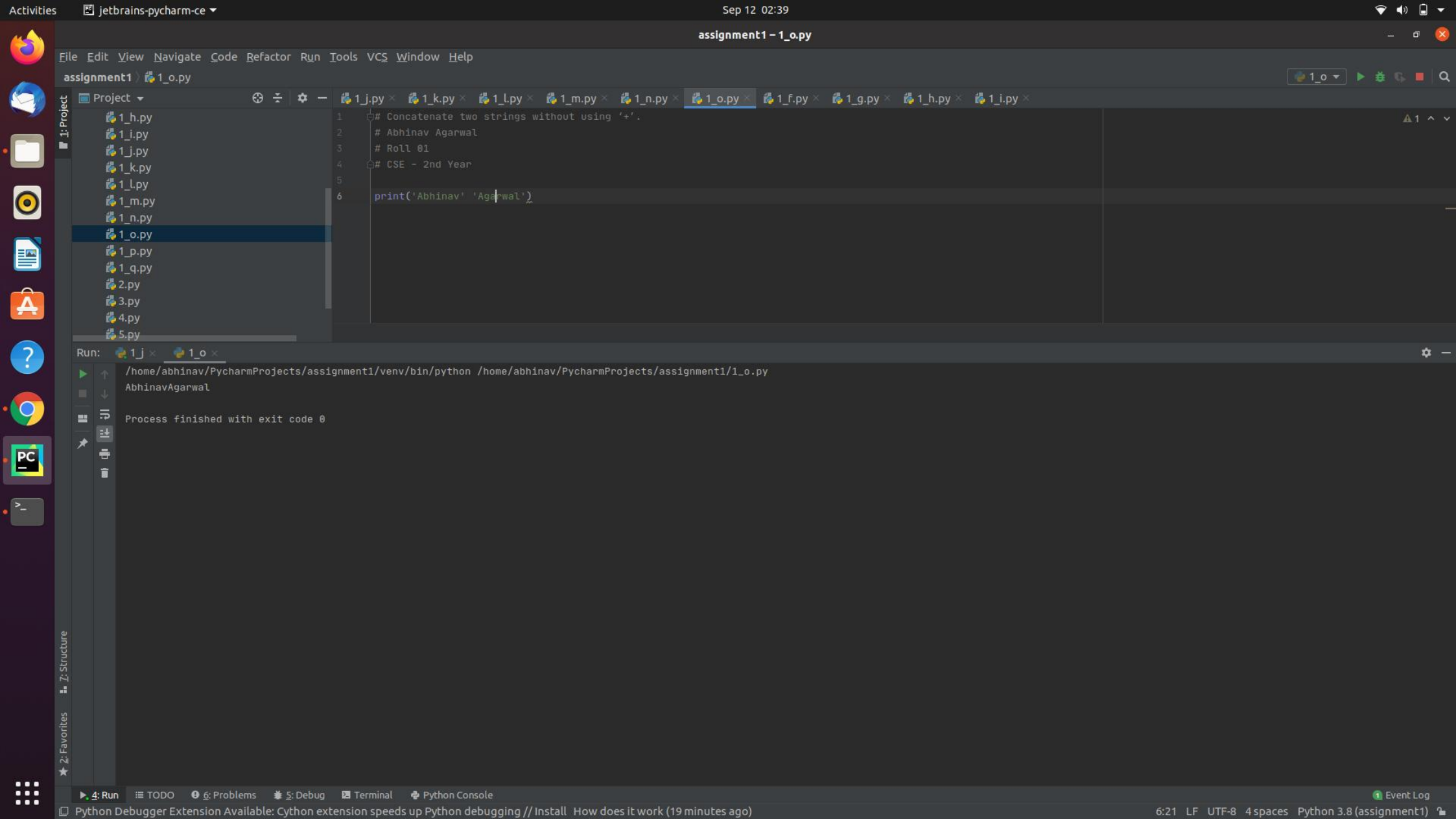


```
1 # Print string as a raw string.
2 # Abhinav Agarwal
3 # Roll 01
4 # CSE - 2nd Year
5
6 print(r"Abhinav\t\t\tAgarwal")
7 print(r"Abhinav\nAgarwal")
```



1 Event Log

9:1 LF UTF-8 4 spaces Python 3.8 (assignment1) 



Activities

jetbrains-pycharm-ce

Sep 12 02:39

assignment1 - 1_p.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_p.py

Project

1_h.py

1_i.py

1_j.py

1_k.py

1_l.py

1_m.py

1_n.py

1_o.py

1_p.py

1_q.py

2.py

3.py

4.py

5.py

1_j.py

1_k.py

1_l.py

1_m.py

1_n.py

1_o.py

1_p.py

1_g.py

1_h.py

1_i.py

1

2

3

4

5

6

7

8

Concatenate two strings using '+'.

Abhinav Agarwal

Roll 01

CSE - 2nd Year

first = str(input('Enter first string : '))

second = str(input('Enter second string : '))

print(first+second)

Run: 1_j 1_p

/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_p.py

Enter first string : Abhinav

Enter second string : Agarwal

AbhinavAgarwal

Process finished with exit code 0

Run

TODO

Problems

Debug

Terminal

Python Console

Python Debugger Extension Available: Cython extension speeds up Python debugging // Install How does it work (19 minutes ago)

7:1 LF UTF-8 4spaces Python 3.8 (assignment1)

Event Log

Activities

jetbrains-pycharm-ce

Sep 12 02:39

assignment1 - 1_q.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 1_q.py

Project

1_h.py 1_i.py 1_j.py 1_k.py 1_l.py 1_m.py 1_n.py 1_o.py 1_p.py 1_q.py 2.py 3.py 4.py 5.py

1_j.py 1_k.py 1_l.py 1_m.py 1_n.py 1_o.py 1_p.py 1_q.py 1_g.py 1_i.py

```
1 #Take input of a floating-point number and an integer.
2 #Multiply them. Add three with the result
3 #without saving it as a separate variable.
4 #Also, round it up to two decimal places without
5 #saving it as a separate variable.
6 # Abhinav Agarwal
7 # Roll 01
8 # CSE - 2nd Year
9
10 number = float(input('Enter a number: '))
11 print('Result is {:.2f}'.format(((number+3)*3)+3))
```

Run: 1_j 1_q

```
/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/1_q.py
Enter a number: 3.33
Result is 21.99

Process finished with exit code 0
```

Run TODO Problems Debug Terminal Python Console

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6:1 LF UTF-8 4spaces Python 3.8 (assignment1) Event Log

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 2.py

2 2

Project

- 1_h.py
- 1_i.py
- 1_j.py
- 1_k.py
- 1_l.py
- 1_m.py
- 1_n.py
- 1_o.py
- 1_p.py
- 1_q.py
- 2.py
- 3.py
- 4.py
- 5.py

```
1 # Write a program which takes temperature as input as Centigrade. Convert it to Fahrenheit.  
2 # Abhinav Agarwal  
3 # Roll 01  
4 # CSE - 2nd Year  
5  
6 celcius = float(input("Enter temperature value in celcius: "))  
7 fahrenheit = (celcius*9)/5 + 32  
8 print(celcius,"°C is equal to",fahrenheit,"°F")
```

Run: 1_j 2

```
/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/2.py  
Enter temperature value in celcius: 32  
32.0 °C is equal to 89.6 °F  
  
Process finished with exit code 0
```

Z-Structure
Favorites

Run TODO Problems Debug Terminal Python Console

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Event Log

6:1 LF UTF-8 4 spaces Python 3.8 (assignment1)

Activities

jetbrains-pycharm-ce

Sep 12 02:40

assignment1 - 3.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 3.py

Project

1_h.py
1_i.py
1_j.py
1_k.py
1_l.py
1_m.py
1_n.py
1_o.py
1_p.py
1_q.py
2.py
3.py
4.py
5.py

1_k.py

1_l.py

1_m.py

1_n.py

1_o.py

1_p.py

1_q.py

2.py

3.py

1_g.py

```
1 # Write a program to prompt the user for hours and wages as rate per hour to compute gross pay.  
2 # Abhinav Agarwal  
3 # Roll 01  
4 # CSE - 2nd Year  
5  
6 hours = int(input('Enter total nos of hours worked in hours: '))  
7 rate = int(input('Rate per hour in $ : '))  
8 print("Gross Pay is",hours*rate,"$")
```

Run: 1_j 3

1_j

3

```
/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/3.py  
Enter total nos of hours worked in hours: 12  
Rate per hour in $ : 100  
Gross Pay is 1200 $  
  
Process finished with exit code 0
```

Run

TODO

Problems

Debug

Terminal

Python Console

Python Debugger Extension Available: Cython extension speeds up Python debugging // Install How does it work (20 minutes ago)

2:40 LF UTF-8 4 spaces Python 3.8 (assignment1)

Event Log

```
Enter Principal Amount: 1000
Enter Annual Interest: 5.75
Enter total nos of years: 5
Total Amount is 1287.5
```

4: Run 6: Problems 5: Debug Terminal Python Console

1 Event Log

```
5:23 LF UTF-8 4 spaces Python 3.8 (assignment1)
```

```
Run: 1j x 5 x
/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/5.py
Enter the value of a: 1
Enter the value of b: -1
Enter the value of c: 1
The root of quadratic equation are (0.5+0.8660254037844386j) and (0.49999999999999994-0.8660254037844386j)

Process finished with exit code 0
```


Activities

jetbrains-pycharm-ce

Sep 12 02:42

assignment1 - 6.py

File Edit View Navigate Code Refactor Run Tools VCS Window Help

assignment1 6.py

Project 1_l.py 1_m.py 1_n.py 1_o.py 1_p.py 1_q.py 2.py 3.py 4.py 5.py 6.py 1_g.py

1 # Write a program in Python to add, subtract, multiply, and divide two complex numbers.
2 # Abhinav Agarwal
3 # Roll 01
4 # CSE - 2nd Year
5
6 complex1 = complex(input("Enter Complex Number: "))
7 complex2 = complex(input("Enter Complex Number: "))
8
9
10 print("Addition is", complex1+complex2)
11 print("Subtraction is", complex1-complex2)
12 print("Multiplication is", complex1*complex2)
13 print("Division is", complex1/complex2)

Run: 1_j 6

/home/abhinav/PycharmProjects/assignment1/venv/bin/python /home/abhinav/PycharmProjects/assignment1/6.py
Enter Complex Number: 1+0j
Enter Complex Number: 0+1j
Addition is (1+1j)
Subtraction is (1-1j)
Multiplication is 1j
Division is -1j

Process finished with exit code 0

Run TODO Problems Debug Terminal Python Console

Python Debugger Extension Available: Cython extension speeds up Python debugging // Install How does it work (21 minutes ago)

10:1 LF UTF-8 4 spaces Python 3.8 (assignment1)

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Help

Google Chrome

PC

Terminal

Project Structure

Favorites