





The image shows a screenshot of the Python IDLE Shell 3.12.10. The main window displays the code for a script named 1.1.py, which defines variables A, B, and C, and prints their values. The shell window shows the output of the script, which is 11, BARTHIPA, 5.6, and True. The shell also displays the Python version and the file path.

```
1.1.py - D:/New folder/1.1.py (3.12.10)
File Edit Format Run Options Window Help

A = 11
B = ("BARTHIPA")
C = 5.6
print(A)
print(B)
print(C)
print(bool(B))

IDLE Shell 3.12.10
File Edit Shell Debug Options Window Help
Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36) [MSC v.1943
4)] on win32
Enter "help" below or click "Help" above for more information.

>>>
===== RESTART: D:/New folder/1.1.py =====
11
BARTHIPA
5.6
True
>>> |
```

File Edit Format Run Options Window Help

```
Name = ("BARTHIPA")
```

```
Age = 19
```

```
print("My Name is " + Name + " and I am " + str(Age) + " years old")
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36) [MSC v.1943 64 bit (AMD64)] on win32

Enter "help" below or click "Help" above for more information.

```
>>>
```

```
===== RESTART: D:/New folder/1.1.py =====
```

```
My Name is BARTHIPA and I am 19 years old
```

```
>>> |
```

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
A = 110
B = 22
print("Addition " + str(A+B))
print("Subtraction " + str(A-B))
print("Multiplication " + str(A*B))
print("Division " + str(A/B))
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025,  
(AMD64)] on win32

Enter "help" below or click "Help" above for more i

>>>

===== RESTART: D:/New folder/1.

Addition 132

Subtraction 88

Multiplication 2420

Division 5.0

>>>

|

```
1.1.py - D:/New folder/1.1.py (3.12.10)
File Edit Format Run Options Window Help
A = 'BARTHIPA'
A[0]
A[1]
A[2]
A[3]
A[4]
A[5]
A[6]
A[7]
print (A[0])
print (A[1])
print (A[2])
print (A[3])
print (A[4])
print (A[5])
print (A[6])
print (A[7])

IDLE Shell 3.12.10
File Edit Shell Debug Options Window Help
Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36) [MSC v.19
(AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
===== RESTART: D:/New folder/1.1.py =====
B
A
R
T
H
I
P
A
>>>
```

The image shows a Python IDLE 3.12.10 window with a script and its execution output in the shell.

**Script (1.1.py):**

```
rows = 3
for i in range(1 + rows):
    print('*' * i)
```

**Shell Output:**

```
Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36) [MSC v.1943 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.

>>>
===== RESTART: D:/New folder/1.1.py =====
*
**
***
****
*****
>>>
===== RESTART: D:/New folder/1.1.py =====
*
**
***
****
>>>
```

File Edit Format Run Options Window Help

```
Name = "Barthipa"
Age = 19
Sec_Year = True

print("Original Values")
print("Name : " , Name)
print("Age : " , Age)
print("Sec_Year : " , Sec_Year)
```

```
Name = "Barthipa Parthasarathy"
Age += 20
Sec_Year = not Sec_Year
```

```
print("\nModified Values")
print("Name : " + Name)
print("Age : " + str(Age))
print("Sec_year : " , Sec_Year)
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36) [MSC v.1943 64 bi  
Enter "help" below or click "Help" above for more information.

>>>

===== RESTART: D:/New folder/1.1.py =====

Original Values  
Name : Barthipa  
Age : 19  
Sec\_Year : True

Modified Values  
Name : Barthipa Parthasarathy  
Age : 39  
Sec\_year : False

>>>

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
Name = "Barthipa"
Age = 19
DOB = "11.02.2006"
Height = 5.7
Blood_Group = "B+ve"
```

```
print("PERSONAL DETAILS")
print(f"Name           : {Name}")
print(f>Date Of Birth : {DOB}")
print(f"Height        : {Height}")
print(f"Blood Group    : {Blood_Group}")
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:00) [AMD64] on win32

Enter "help" below or click "Help" above for more information

>>>

===== RESTART: D:/New folder/1.1.py =====

PERSONAL DETAILS

Name : Barthipa

Date Of Birth : 11.02.2006

Height : 5.7

Blood Group : B+ve

>>>



1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
firstName = "Barthipa"
lastName = "Parthasarathy"
dateOfBirth = "11.02.2006"
bloodGroup = "B+ve"
height_cm = 5.5
age = 19
phone_no = 8220887045

print("PERSONAL DETAILS")
print(f"FirstName      : {firstName}")
print(f"LastName       : {lastName}")
print(f>Date Of Birth   : {dateOfBirth}")
print(f"Height          : {height_cm}")
print(f"Blood Group       : {bloodGroup}")
print(f"Phone Number     : {phone_no}")
print(f"Age             : {age}")
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2024; AMD64) on win32  
Enter "help" below or click "Help" above for more

>>>

===== RESTART: D:/New folder/1.1.py

PERSONAL DETAILS

```
FirstName      : Barthipa
LastName       : Parthasarathy
Date Of Birth   : 11.02.2006
Height          : 5.5
Blood Group     : B+ve
Phone Number    : 8220887045
Age            : 19
```

>>>

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
radius = float(input("Enter the Radius of the circle : "))
pi = 3.14
circumference = 2 * pi * radius
print(circumference)
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36) [MSC v.1943 64 bit (AMD64)] on win32  
Enter "help" below or click "Help" above for more information.

>>>

```
===== RESTART: D:/New folder/1.1.py =====
Enter the Radius of the circle
===== RESTART: D:/New folder/1.1.py =====
Enter the Radius of the circle : 7
43.96
```

>>>

```
===== RESTART: D:/New folder/1.1.py =====
Enter the Radius of the circle : 8
50.24
```

>>>

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
Names = ["Barthipa" , "Tharagai" , "Sarathy" , "Latha"]  
print("\nOroiginal Names : " ,Names)  
Names[1] = "Grana"
```

```
print("\nModified Name : " ,Names)  
Names.append("Parimala")  
print("\nNew Name : " ,Names)
```

IDLE Shell 3.12.10

File Edit Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36) [MSC v.1943 64 bit (AMD64)] on win32

Enter "help" below or click "Help" above for more information.

>>>

===== RESTART: D:/New folder/1.1.py =====

Oroiginal Names : ['Barthipa', 'Tharagai', 'Sarathy', 'Latha']

Modified Name : ['Barthipa', 'Grana', 'Sarathy', 'Latha']

New Name : ['Barthipa', 'Grana', 'Sarathy', 'Latha', 'Parimala']

>>>

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
Base = 4
Height = 6
Area = (Base * Height) / 2
print(Area)
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36)  
(AMD64) on win32

Enter "help" below or click "Help" above for more information.

>>>

===== RESTART: D:/New folder/1.1.py =====

12.0

>>> |

 1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
NUMBER = 50
print(NUMBER)
NUMBER += 10
print(NUMBER)
NUMBER -= 20
print(NUMBER)
NUMBER *= 30
print(NUMBER)
```

 IDLE Shell 3.12.10

File Edit Shell Debug Options V

```
Python 3.12.10 (tags/v3.12.10:1006287f0, Jun 10 2024, 10:41:32)
[AMD64] on win32
Enter "help" below or ctrl-D to quit

>>>
=====
50
60
40
1200
>>> |
```

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
A = 15
B = 25
print("A==B" , A==B)
print("A!=B" , A!=B)
print("A>>B" , A>B)
print("A<<B" , A<B)
print("A<=B" , A<=B)
print("A>=b" , A>=B)
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8  
(AMD64)] on win32  
Enter "help" below or click "Help" above for

>>>

===== RESTART: D:/New fol

A==B False

A!=B True

A>>B False

A<<B True

A<=B True

A>=b False

>>>

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
A = 34
B = 35
C = 36
Total=(A+B+C)
print("Total" , Total)
AVERAGE = (A+B+C)/3

print("AVERAGE " ,AVERAGE)
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025,  
(AMD64)] on win32

Enter "help" below or click "Help" above for more in

>>>

===== RESTART: D:/New folder/1.1

Total 105

AVERAGE 35.0

>>>

1.1.py - D:/New folder/1.1.py (3.12.10) — □ ×

File Edit Format Run Options Window Help

```
NAME = "BARTHIPA"
AGE = 19
DOB ="11.02.2006"
HEIGHT = 5.5
WEIGHT = 45
DEGREE = "BE - CSE(AIML) "
GENDER = "FEMALE"
print(NAME)
print(AGE)
print(DOB)
print(HEIGHT)
print(WEIGHT)
print(DEGREE)
print(GENDER)
```

IDLE Shell 3.12.10 — □ ×

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025, 12:21:36) [MSC v.1943 64 bit (AMD64)] on win32  
Enter "help" below or click "Help" above for more information.

>>>

===== RESTART: D:/New folder/1.1.py =====

BARTHIPA

19

11.02.2006

5.5

45

BE - CSE(AIML)

FEMALE

>>>

|



1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
A = 110
B = 22
print("Addition " + str(A+B))
print("Subtraction " + str(A-B))
print("Multiplication " + str(A*B))
print("Division " + str(A/B))
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr 8 2025,  
(AMD64)] on win32

Enter "help" below or click "Help" above for more i

>>>

===== RESTART: D:/New folder/1.

Addition 132

Subtraction 88

Multiplication 2420

Division 5.0

>>>

|

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
Base = float(input("Enter the base : "))
Height = float(input("Enter the Height : "))
Area = (Base * Height) / 2
print("Area of the Triangle is : " ,Area)
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

```
Python 3.12.10 (tags/v3.12.10:0cc8128, Apr  8 2024,
(AMD64)] on win32
Enter "help" below or click "Help" above for more
>>>
===== RESTART: D:/New folder,
Enter the base : 8
Enter the Height : 9
Area of the Triangle is : 36.0
>>> |
```

1.1.py - D:/New folder/1.1.py (3.12.10)

File Edit Format Run Options Window Help

```
TAMIL = 98
ENGLISH = 99
MATHS = 100
SCIENCE = 95
SOCIAL = 100
print("TAMIL      : " , TAMIL)
print("ENGLISH    : " , ENGLISH)
print("MATHS       : " , MATHS)
print("SCIENCE     : " , SCIENCE)
print("SOCIAL      : " , SOCIAL)
Total=(TAMIL+ENGLISH+MATHS+SCIENCE+SOCIAL)
print("TOTAL      : " , Total)
AVERAGE = (TAMIL+ENGLISH+MATHS+SCIENCE+SOCIAL)/5
print("AVERAGE   : " , AVERAGE)
```

IDLE Shell 3.12.10

File Edit Shell Debug Options Window Help

Python 3.12.10 (tags/v3.12.10:0cc8128, Apr  
Enter "help" below or click "Help" above for

>>>

===== RESTART: D:/New fo

```
TAMIL      : 98
ENGLISH    : 99
MATHS      : 100
SCIENCE    : 95
SOCIAL     : 100
TOTAL      : 492
AVERAGE    : 98.4
```

>>>