



The image shows a Python IDE interface. At the top, there is a toolbar with icons for file operations (new, open, save), execution (Run, Debug, Stop), and development (Share, Beautify). The language is set to Python 3. The main editor window displays a Python script named 'main.py' with the following code:

```
1 number=0
2
3 def main():
4     global number
5     number= int(input('Enter a number: '))
6     show_number()
7
8 def show_number():
9     print(f'The number you entered is {number}.')
10
11 main()
12
13 def add(num1,num2,num3):
14     global total
15     total= num1+num2+num3
16     return total
17
18 add(3,4,5)
19 print (total)
20
```

Below the code editor is an input terminal. It has a title bar with a dropdown arrow, a maximize icon, and a close icon, and is labeled 'input'. The terminal displays the prompt 'Enter a number: ' followed by a cursor, indicating it is waiting for user input.

main.py

```
1  # This program demonstrates a function.
2  # First, we define a function named message.
3  def message():
4      print('Enter first name: ')
5      print('Enter last name: ')
6      print('Enter address: ')
7      print('Enter city: ')
8      print('Enter state: ')
9      print('Enter zip code: ')
10
11 # Call the message function.
12 message()
13
14
```



input

```
Enter last name:
Enter address:
Enter city:
Enter state:
Enter zip code:
```

main.py

```
1
2 def add(num1,num2,num3):
3     global total
4     total= num1+num2+num3
5     return total
6
7 add(3,4,5)
8 print (total)
9
```

input

12

...Program finished with exit code 0
Press ENTER to exit console.

The image shows a Python IDE interface. At the top, there is a toolbar with icons for file operations, running, debugging, and saving. The language is set to Python 3. The main editor window displays a Python script named `main.py`. The script defines a function `add()` that takes no arguments, uses `global` variables `total` and `average`, prompts the user for three numbers, calculates their sum and average, and returns these values. The script then calls `add()` and prints the results. Below the editor, a console window shows the program's execution with user input and the resulting output.

```
1 def add():
2     global total
3     global average
4     num1=float(input('Enter value of number 1: '))
5     num2=float(input('Enter value of number 2: '))
6     num3=float(input('Enter value of number 3: '))
7     total=num1+num2+num3
8     average=total/3
9     return total,average
10 add()
11 print('The sum of the numbers: ',total)
12 print(f'The average of the numers: {average:.2f}')
```

input

```
Enter value of number 1: 2
Enter value of number 2: 3
Enter value of number 3: 22
The sum of the numbers: 27.0
The average of the numers: 9.00

...Program finished with exit code 0
Press ENTER to exit console.
```

main.py

```
1 hours_worked=float(input('Enter hours worked: '))
2 hourly_pay=float(input('Enter hourly pay: '))
3
4 def show_hours_worked_and_hourly_pay(hours,pay):
5     print(f'Hours worked:{hours}.\nHourly psy: ${pay:,.2f}.')
6
7 show_hours_worked_and_hourly_pay(hours_worked,hourly_pay)
```

input

Enter hours worked: 24
Enter hourly pay: 18
Hours worked:24.0.
Hourly psy: \$18.00.

...Program finished with exit code 0
Press ENTER to exit console.