1.Create following variables: “var1str” to contain”hello” / “var2float” to contain “2.5” / “var3int” to contain “10”

Input :

```
var1str='hello'
print(var1str)
print(type(var1str))


var2float=float(2.5)
print(var2float)
print(type(var2float))


var3int=int(10)
print(var3int)
print(type(var3int))
```

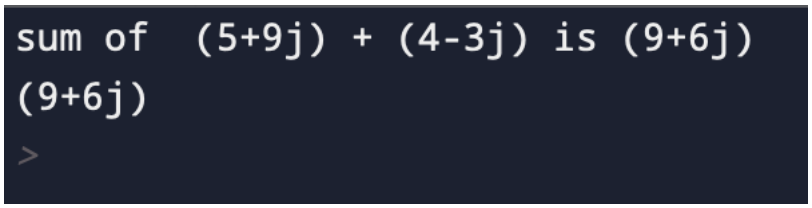
Output :

2. Python Program to display the sum of Two Complex Numbers

Input :

```
#sum of two complex number
a=complex(5,9)
b=complex(4,-3)
print("sum of ",a,"+",b,"is",a+b)
print(a+b)
```

Output :



3. Python Program to convert numbers from octal, binary and hexadecimal systems into decimal number system.

Input :

```
# Python program to convert decimal into other number systems
dec = 11154
print("The Value of", dec, "is:")
print("This Value is", bin(dec), "in binary.")
print("This Value is ", oct(dec), "in octal.")
print("This Value is ", hex(dec), "in hexadecimal.")
```

Output :

```
The Value of 11154 is:
This Value is 0b10101110010010 in binary.
This Value is  0o25622 in octal.
This Value is  0x2b92 in hexadecimal.
>
```

4. What is the type of the following result: 1+2.0+3 / 6+4*10 / (6+4)*10

Input:

```
a = 1+2.0+3
print(a)
print(type(a))
print("\n")

b = 6+4*10
print(b)
print(type(b))
print("\n")

c = (6+4)*10
print(c)
print(type(c))
print("\n")
```

Output:

```
6.0
<class 'float'>


46
<class 'int'>


100
<class 'int'>


>
```

5. Convert boolen value in int.

Input:

```
a = True
b = False
a = int(a)
b = int(b)
print(a)
# print(int(a))
print("Type of a is ", (type(a)))
# print(int(b))
print(b)
print("Type of b is ", (type(a)))
```

Output:

```
1
Type of a is  <class 'int'>
0
Type of b is  <class 'int'>
>
```