1. **int() function demo program**

```
print(int(10.8)) # 10

print(int(True)) # 1

print(int(False)) # 0

print(int('25')) # 25

print(int('0075')) # 75

print(int(0B11010)) # 16 + 8 + 2 = 26

print(0B11010) # 26

print(int(0O6247)) # 6 * 8 ^ 3 + 2 * 8 ^ 2 + 4 * 8 ^ 1 + 7 * 8 ^ 0

print(0O6247) # 6 * 8 ^ 3 + 2 * 8 ^ 2 + 4 * 8 ^ 1 + 7 * 8 ^ 0

print(int(0XA7B9)) # 10 * 16 ^ 3 + 7 * 16 ^ 2 + 11 * 16 ^ 1 + 9 * 16 ^ 0

print(0XA7B9) # 10 * 16 ^ 3 + 7 * 16 ^ 2 + 11 * 16 ^ 1 + 9 * 16 ^ 0

print(int(3 + 4j)) #Error #Reason A complex number can be given as argument

print(int('25.4')) ‘’’Error #Reason argument should be either a string with numbers or base 10 equivalent in this case’’’

print(int('Ten')) ‘’’Error #Reason argument should be either a string with numbers or base 10 equivalent in this case’’’
```

2. **float() function demo program**

```
print(float(25)) # 25.0

print(float(True)) # 1.0

print(float(False)) #0.0

print(float('92')) #92.0

print(float('36.4')) #36.4

print(float('0075')) #75.0

print(float(0B1010101)) #85.0
```

```
print(float(0O6247)) #3239.0

print(float(0XA7B9)) #42937.0

print(float(3 + 4j)) #Error # Reason a complex object can’t be given as an argument

print(float('Ten')) #Error #Reason is that a string object can’t be converted to a float object
```

3. complex() function demo program

```
print(complex(3 , 4)) #3+4j

print(complex(0 , 4)) #4j

print(complex(3)) #3+0j

print(complex(3.8 , 4.6)) #3.8+4.6j

print(complex(3.8)) #3.8+0j

print(complex(3 , 4.5)) #3+4.5j

print(complex(True , False)) 1+0j

print(complex(True)) #1+0j

print(complex(False)) #0j

print(complex(True , 4)) #1+4j

print(complex('3')) #3+0j

print(complex('3.8')) #3.8 + 0j

print(complex(3 , '4')) #Error #Reason 2nd argument can’t be a string

print(complex('3' , 4)) #Error #Reason as 2nd argument is not permitted when 1st argument is a string

print(complex('3' , '4')) #Error #Reason as 2nd argument is not permitted when 1st argument is a string

print(complex('Ten')) #Error #Reason a string object can be given as an argument
```

4. bool() function demo program

```
print(bool(0)) #False

print(bool(10)) #True

print(bool(-25)) # True

print(bool(0.0)) #False

print(bool(0.1)) #True

print(bool(0 + 0j)) #False

print(bool(10 + 20j)) #True

print(bool(-15j)) #True

print(bool('False')) #True

print(bool('')) #False

print(bool('Hyd')) #True

print(bool(' ')) #True

print(bool('True')) #True
```

5. str() function demo program

```
print(str(25)) # ‘25’

print(str(10.8)) #’10.8’

print(str(3 + 4j)) # ‘3+4j’

print(str(True)) #’True’

print(str(False)) #’False’

print(str(None)) #’None’
```

6. oct() function demo program

```
print(oct(195)) #0O303

print(oct(0B10101110010)) #0O2562

print(oct(0xA7B9)) #0O123671
```

7. hex() function demo program

```
print(hex(25)) #0X19

print(hex(0B10101111010111)) #0X2BD7

print(hex(0O6247)) #0XCA7
```