# Complex object demo Program: a = 3 + 4j - # Ry 'a' points to object 3+4j print(a) # value of object 'a' i.e. 3+4) print(type(a)) \_ # type of object 'a' i.e < class 'complex'> print (id(a)) \_ # Address of object a print (areal) \_ # 3.0 3+4j where real is 3.0 and imag is 4.0 print (a.imag) - # 4.0 print (type (a. real)) - # type of obj 'a' i.e zclas ecomplex 'float'> where 3.0 is a flood print (type (a imag)) - # <das 'float'> where 4.0 is float. # Find Outputs ! a = 6j - # Ref a' points to object 6j print (a) - # value of object 'a' i.e 6j print (type (a)) - # type of object 'a' i.e x class complex's print (a.real) - # 0.0 (real part) in 6) print (a.imag) - # 6.0 (imag part) in 6; print (5+16) - # Error (Syntax Error) [6] not j6] print (3+4i) - # Error (syntax Error) [ only supports i not any other? print (4+j) - # Error (syntax Error) [ ; is not defined

print ( u+ 1 ) - # 4+1 print (4+0j) - # 4+0j # Bool object demo program: a = True - # Ref a' points of object True print (a) \_ # value of object a i.e True print (type(a)) \_ # type of object 'a' he adam' bool'> b = Palse - # Ref b' points to object false print (b) - or value of object b' ise false print (type(b)) - # type of object b' i.e & class bool'> - 2 # Free - 1, Palse = 0. (1+1=2) print (True+) Print (True + False) -#1 # True =1, False = 0 (1+0=1) print (False + True) - +1 (1+0=1) print (False + False) - # 0 False = 0, True = 1 Print (True + True + True) - # 3 True = 1 (14141) print (2540.8+ True) - # 36.8 (25+10.8+1) python treats es (int) & 10.8 (float) as objects when operations are made on them print (True - fals) - # True . because True - 1, folk - 0 So, (1>0) print (True) - # True print (false) - # False

print (true) — # Error, because true is not
in upper case, python only support
upper case not lowercase.

print (false) - # Error Synlax Error.

# Find outputs:

Print (a) — # value of object ice colors extrangints only oto 7 nos here octal converted to decimal

6xe3+ 2xe2+ 4xe2+ 7xe0 = 6x512+2x64+ 4x8+ 7x1 = 3072+ 128+32+7

print (a) \_ # 3239.

print (type (a)) — # type of obj'a' zclas' int' >

print (id(a)) — # Address of object 'a'

b = 006247 — # Ref 'b' points to object 006247

print (b) — # 3239 As it supports lowers upper case

letters and the objects are reusable.

print (id (b)) - # Addum of object (b'.

c = 3239 — # Ref & c' points to object 3239

print (c) — # 3239 Value of object 'a' ; e 3239

print (id (c)) — # Address of object c'

print (00 9248) — # Error because odal contains only
Oto 7, have use have 9 and 8 80
Syntax Error.

# Find outputs:

22222222222

9

a = OXAFB9 — # Ref 'a' to points to object OXAFB9

print(a) — # OXAFB9 is bexadecimal because "it

accepts oto 9 A to F. A = 10

Ax163 FX16 Bx16 9x16 C= 12

10x163 + 7x162 + 11x16 + 9x1 D = 13

+ 40960 + 1792 + 176+9 E = 14

42937

print (type (a)) - # type of obj'a' < class 'int' >.

b. OXBEEF - # Ref 'a' fooints to object OXBEEF

print (A7B9) - #ENTITATB9 not defined

print ('AFB9') — # AFB9 as it is quoted which mean string.

print (OXBEER) - # Error because R is not as

print (0×440) - # Error because H and y are not defined as hexadicimal.

print (0xA7(198) - # Error as Gis not a hexadecimal.

print (idla) print(type (a)) - # < pat class 'strong' > 16 705 # Find outputs. P= (HAd) print(a) - # value of obj`a' i.e Rama Raw. # find outputs: print (type (a)) \_ # type of obj 'a' i.e < class 'int' > print (a) - # value of object 'a' i.e 9248 a = 9248 - # Ref 'a' points to obj 9248 # Address of object a. value of obj b'. he Hyd' # Find output port (a[-4]) print ( how to print 'd' print (a[0] == a[-3] print (how to print H print I have to print " print (25[0]) print (25' [0]) print (True (13) a[2] = 'c' \_ # print (True (1))