**1.Find the data type of a if a=9**

integer

**2.Find the data type of a if a=9**

float

**3.Find the data type of a if a='9’.**

string

**4. Find the data type of a if a=(9)**

tuple

**5 Find the data type of a if a=False**

Booleans

**6 Find the data type of a if a=[1,2,3]**

List

**7 Find the data type of a if a=(1,2,3)**

Tuple

**8 Find the data type of a if a={'key': 9}**

Dictionary

**9 Find the data type of a if a=1 + 9j**

Complex

**10 Set a=1 and b=2. What data type is a/b?**

float

**11 Create a dictionary numbers = {'one':1, 'two':2, 'three':3}. Pull out the number '2' by calling the key 'two'.**

dict = {'one':1, 'two':2, 'three':3}

dict [‘two’]

**12 Create a tuple with the numbers 8, 9, and 10?**

tup1 = (8,9,10)

**13 Run the following lines of code and explain the error in your own words. Then rewrite the lines of code to run error free:**

d = {one:1, two:2, three:3} d[one]

error: string should be wrapped inside double quotes .

correction:

d = {“one”:1, “two”:2, “three”:3}

d [“one”]

**14 Run the following lines of code and explain the error in your own words. Then rewrite the lines of code to run error free:**

**f = false not f**

correction: f != false

**15. Run the following lines of code and explain the error in your own words. Then rewrite the lines of code to run error free:**

**lst = [1,3,5] lst[3]**

IndexError: list index out of range

correction:

lst= [1,3,5]

lst[1]