# Solution for Python worksheet-2

1. B)
2. C)
3. A)
4. D)
5. C)
6. C)
7. D)
8. B

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1. ABCD
2. ACD

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1. a) List – it is one of the datatype of python which consists of comma separated heterogenous data .for example a= [1,3,’q’,4] , here a is list . Lists are mutable i.e they can be changed at run time . They are enclosed with square brackets.

b) Tuple is a collection of Python objects much like a list. It is enclosed by ().It cannot be changed or replaced since it is immutable. (1, 2, 4, 5, 6) is a example of tuple .

c) Set – it is one of the datatypes in python which is immutable like tuple .It is unordered collection of items. It is enclosed by {}.

d) Dictionary - A dictionary is a key:value pair, similar to an associative array found in other programming languages. A dictionary is like an address-book where you can find the address or contact details of a person by knowing only his/her name i.e. we associate keys (name) with values (details).

12) No Strings are not mutable in python. Please refer to python notebook for the code.

13) The ord() function returns the number representing the unicode of a specified character. For example , we are interested in knowing the Unicode of ‘f’, simply we will use

x = ord("f")

print(x).

O/P-102 ,it means the Unicode of ‘f’ is 102 .

Function to know the datatype of a variable is type()

**Q14 AND Q15 are done on the jupyter notebook. Please refer.**