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MCQ:

1.Which of these is not a valid Python variable name?

A)my\_var1

B)\_temp

C)1variable

D)var123

Answer: C) 1variable

2.What is the output of the following code?

```
s = {1, 2, 4, 5}
l = []

for i in range(len(s)):
    l += [1+i]
print(l)
```

A)[2, 3, 4, 5]

B)[0, 1, 2, 3]

C)[1, 2, 3, 4]

D)Will throw an error: Set objects are not iterable.

Answer:[1,2,3,4]

## 5 MARKS:

What are the basic data types in Python?

Basic data types	Description	Values	Representation
Boolean	represents two values of logic and associated with conditional statements	True and False	bool
Integer	positive and negative whole numbers	set of all integers, $\mathbb{Z}$	int
Complex	contains real and imaginary part (a+ib)	set of complex numbers	complex
Float	real numbers	floating point numbers	float
String	all strings or characters enclosed between single or double quotes	sequence of characters	str

2. Why do we need to use the axis in insert() and delete() function?

Ans.delete() function is not available in python only del() is available and there is no

axis in the insert() and del() function.

The insert() function takes two parameters:

- index - position where an element needs to be inserted
- element - this is the element to be inserted in the list

del() - The del keyword is used to delete objects. You can pass the variable name with the index value inside the braces.