

THE SCHRAM ACADEMY
COMPUTER SCIENCE Q & A
STD XII – REVISION OF PYTHON

Very Short Answer Type Questions (1-Mark)

Q1. What is None literal in Python?

Ans: Python has one special literal called “None”. It is used to indicate something that has not yet been created. It is a legal empty value in Python.

Q2. Can List be used as keys of a dictionary?

Ans: No, List can't be used as keys of dictionary because they are mutable. And a python dictionary can have only keys of immutable types.

Short Answer Type Questions (2-Marks)

Q1. What is a python variable? Identify the variables that are invalid and state the reason

Class, do, while, 4d, a+

Ans: - A variable in python is a container to store data values.

do, while are invalid because they are python keyword

4d is invalid because the name can't be started with a digit.

a+ is also not valid as no special symbol can be used in name except underscore (_).

Q.2 Predict the output

```
for i in range( 1, 10, 3):  
    print(i)
```

Ans: -
1
4
7

Q3. Rewrite the code after correcting errors: -

```
if N=>0  
    print(odd)  
else  
    Print("even")
```

Ans: - **if N>=0:**
print(“odd”)
else:
print(“even”)

Q.4 What problem occurs with the following code

```
X=40  
while X< 50 :  
    print(X)
```

Ans: - The given code does not have the incrementing value of X, thus the loop becomes endless.

Q5. What will be the output of the following code snippet?

```
values =[ ]  
for i in range (1,4):  
    values.append(i)  
print(values)
```

Ans: [1]
[1,2]
[1,2,3]

Q6. Find the error in following code. State the reason of the error.

```
aLst = { 'a':1 , 'b':2, 'c':3 }  
print (aLst['a','b'])
```

Ans: The above code will produce **KeyError**, the reason being that **there is no key** same as the list ['a','b'] in dictionary

aLst.

Application Based Questions (3 Marks)

Q1. Find output of the following code fragment.

```
x="hello world"  
print(x[:2],x[:-2],x[-2:])  
print(x[6],x[2:4])  
print(x[2:-3],x[-4:-2])
```

Ans: he hello wor ld
w ll
llo wo or

Q2. Rewrite the following programs after removing syntactical errors:

```
for=20  
for1=50:  
for3=for+for1+for2  
print(for3)
```

Ans:

```
f=20 #( as for is a keyword in python)  
for1=50 #(: can not be used here)  
for3=f+for1 #(for2 not defined)  
print(for3)
```

ASSIGNMENT TO BE DONE IN ASSIGNMENT NOTE

PG.NO 37 :

Q.NO : TYPE A : 5, 20 ; TYPE B : 1,2

PG.NO 89 :

Q.NO : TYPE A : 5, 10, 12, 17, 19 ; TYPE B : 2, 3, 5, 7, 11, 12 ; TYPE C : 9