# **Quiz 2024-03-27**

**Question 1 A Python program must be converted to \_\_\_ language to be executed by a computer.**

1. **Assembly**
2. **Machine**
3. **High level**
4. **Very high level**

**Question 2 Which of the following identifiers is invalid?**

1. **\_2017discount**
2. **Profit**
3. **Total-discount**
4. **Totaldiscount**

**Question 3 What is the output of the following code:**

**print(r"\nWelcome")**

1. **New line and welcome**
2. **\nWelcome**
3. **The letter r and then welcome**
4. **Error**

**Question 4 What will be the result of the following Python expression?**

**1 > 2 and 9 > 6**

1. **True**
2. **False**
3. **Machine Dependent**
4. **Error**

**Question 5 Given the following code, what is the output?**

**print('London' > 'Paris')**

1. **True**
2. **False**
3. **TypeError: '>' not supported between instances of 'str' and 'int'**
4. **Yes**

**Question 6 What is the data type of (3)?**

1. **Tuple**
2. **List**
3. **None**
4. **Integer**

**Question 7 What will be the output of the following code?**

**t1 = (1, 2, 3, 4)**

**t1.append((5, 6, 7))**

**print(len(t1))**

1. **Error**
2. **2**
3. **1**
4. **5**

**Question 8: What is the output of the following code print(int(2.999))**

**(A) ValueError: invalid literal for int()**

**(B) 3**

**(C) 2-27**

**(D) 2.9**

****Question 9:** Select the correct output of the following String operations**

**str1 = 'Welcome'**

**print (str1[:6] + ' PYnative')**

**(A) Welcome PYnative**

**(B) WelcomPYnative**

**(C) Welcom PYnative**

**(D) WelcomePYnative**

**Question 10 What is the output of the following code?**

**line = "What will have so will"**

**L = line.split('a')**

**for i in L:**

**print(i, end=' ')**

**(A) [‘What’, ‘will’, ‘have’, ‘so’, ‘will’]**

**(B) Wh t will h ve so will**

**(C) What will have so will**

**(D) [‘Wh’, ‘t will h’, ‘ve so will’]**

****Question 11:** Find the output of the following program:**

**nameList = ['Harsh', 'Pratik', 'Bob', 'Dhruv']**

**print(nameList[1][-1])**

**(A) r**

**(B) b**

**(C) D**

**(D) k**

**Question 12: Find the output of the following program:**

**list1 = [1998, 2002]**

**list2 = [2014, 2016]**

**print ((list1 + list2)\*2)**

1. **[1998, 2002, 2014, 2016, 1998, 2002, 2014, 2016]**
2. **[1998, 2002, 2014, 2016]**
3. **[1998, 2002, 1998, 2002]**
4. **[2014, 2016, 2014, 2016]**

**Question 13: Find the output of the following program:**

**L1 = []**

**L1.append([1, [2, 3], 4])**

**L1.extend([7, 8, 9])**

**print(L1[0][1][1] + L1[2])**

1. **Type Error**
2. **12**
3. **11**
4. **38**

**Question 14: Choose the correct way to access value **20** from the following tuple**

**aTuple = ("Orange", [10, 20, 30], (5, 15, 25))**

1. **aTuple[1:2][1]**
2. **aTuple(1)(1)**
3. **aTuple[1:2][1]**
4. **aTuple[1][1]**

**Question 15: What is the output of the following code**

**sampleSet = {"Yellow", "Orange", "Black", ‘Red’}**

**print(sampleSet[1])**

1. **Yellow**
2. **Syntax Error**
3. **Orange**
4. **Red**

**Question 16. What is the output of the following union operation**

**set1 = {10, 20, 30, 40}**

**set2 = {50, 20, "10", 60}**

**set3 = set1.union(set2)**

**print(set3)**

1. **{40, 10, 50, 20, 60, 30}**
2. **{40, ’10’, 50, 20, 60, 30}**
3. **{40, 10, ’10’, 50, 20, 60, 30}**
4. **SynatxError: Different types cannot be used with sets**

**Question 17: Select the correct output of the following String operations**

**str1 = "my isname isisis jameis isis bond";**

**sub = "is";**

**print(str1.count(sub, 4))**

1. **5**
2. **6**
3. **7**
4. **0**

**Question 18: What is the output of the following tuple operation**

**aTuple = (100, 200, 300, 400, 500)**

**aTuple.pop(2)**

**print(aTuple)**

1. **(100, 200, 400, 500)**
2. **(100, 300, 400, 500)**
3. **AttributeError**

**Question 19: What is the output of the following code**

**aTuple = (100, 200, 300, 400, 500)**

**aTuple[1] = 800**

**print(aTuple)**

1. **TypeError**
2. **(100, 800, 200, 300, 400, 500)**
3. **(800, 100, 200, 300, 400, 500)**
4. **(100, 100, 200, 300, 400, 800)**

**Question 20: What is the output of the following**

**sampleSet = {"Yellow", "Orange", "Black"}**

**sampleSet.add("Blue")**

**sampleSet.add("Orange")**

**print(sampleSet)**

1. **{‘Blue’, ‘Orange’, ‘Yellow’, ‘Orange’, ‘Black’}**
2. **{‘Blue’, ‘Orange’, ‘Yellow’, ‘Black’}**
3. **Error**

**Question 21: What will be the output of the following Python function?**

**len(["hello",2, 4, 6])**

1. **Error**
2. **6**
3. **3**
4. **4**

**Question 22: What is the output of the following code?**

**sampleList = ["Jon", "Kelly", "Jessa"]**

**sampleList.append(2, "Scott")**

**print(sampleList)**

1. **The program executed with errors**
2. **[‘Jon’, ‘Kelly’, ‘Scott’, ‘Jessa’]**
3. **[‘Jon’, ‘Kelly’, ‘Jessa’, ‘Scott’]**
4. **[‘Jon’, ‘Scott’, ‘Kelly’, ‘Jessa’]**

**Question 23: What is the output of the following code?**

**var= "James Bond"**

**print(var[2::-1])**

1. **Jam**
2. **dno**
3. **maJ**
4. **dnoB semaJ**

**Question 24: What is the data type of the following**

**aTuple = (1, 'Jhon', 1+3j)**

**print(type(aTuple[2:3]))**

1. **list**
2. **complex**
3. **tuple**

**Question 25: What is the value of x**

**x = 0**

**while (x < 100):**

**x+=2**

**print(x)**

1. **101**
2. **99**
3. **None of the above, this is an infinite loop**
4. **100**

**Question 26: Given the nested if-else structure below, what will be the value of x after code execution completes**

**x = 0**

**a = 0**

**b = -5**

**if a > 0:**

**if b < 0:**

**x = x + 5**

**elif a > 5:**

**x = x + 4**

**else:**

**x = x + 3**

**else:**

**x = x + 2**

**print(x)**

1. **2**
2. **0**
3. **3**
4. **4**

**Question 27: if -3 will evaluate to True**

1. **True**
2. **False**

**Question 28: What is the value of the var after the for loop completes its execution**

**var = 10**

**for i in range(10):**

**for j in range(2, 10, 1):**

**if var % 2 == 0:**

**continue**

**var += 1**

**var+=1**

**else:**

**var+=1**

**print(var)**

1. **20**
2. **21**
3. **10**
4. **30**

**Question 29: What is the output of the following if statement**

**a, b = 12, 5**

**if a + b:**

**print('True')**

**else:**

**print('False')**

1. **False**
2. **True**

**Question 30: What is the output of the following nested loop?**

**for num in range(10, 14):**

**for i in range(2, num):**

**if num%i == 1:**

**print(num)**

**Break**

1. **10**
2. **11**
3. **12**
4. **13**
5. **11**
6. **13**

**Question 31: Given the nested if-else below, what will be the value x when the code executed successfully**

**x = 0**

**a = 5**

**b = 5**

**if a > 0:**

**if b < 0:**

**x = x + 5**

**elif a > 5:**

**x = x + 4**

**else:**

**x = x + 3**

**else:**

**x = x + 2**

**print(x)**

1. **0**
2. **4**
3. **2**
4. **3**

**Question 32: What is the value of x after the following nested for loop completes its execution**

**x = 0**

**for i in range(10):**

**for j in range(-1, -10, -1):**

**x += 1**

**print(x)**

1. **99**
2. **90**
3. **100**

**Question33:. Items are accessed by their position in a dictionary and All the keys in a dictionary must be of the same type.**

**A. True**

**B. False**

**Question 34: Select the correct ways to get the value of marks key.**

**student = {**

**"name": "Emma",**

**"class": 9,**

**"marks": 75}**

1. **m = student.get(2)**
2. **m = student.get('marks')**
3. **m = student[2])**
4. **m = student['marks'])**

**Question 35:Select the correct way to print Emma’s age.**

**student = {1: {'name': 'Emma', 'age': '27', 'sex': 'Female'},**

**2: {'name': 'Mike', 'age': '22', 'sex': 'Male'}}**

1. **student[0][1]**
2. **student[1]["age"]**
3. **student[0]["age"]**