DIGIKIDS

PYTHON GUI DEVELOPMENT

ANSWER ALL THE QUESTIONS

1. **What is the output of the following code?**

**>> print("Hello World")**

1. Print
2. Hello World
3. “Hello World”
4. “Print”
5. **What are comments in Python?**
6. They are programmer-readable explanation or annotation in the source code of a computer program.
7. They verbal or written remark expressing an opinion or reaction.
8. They are logical blocks used within programming.
9. I don’t know
10. **What is the output of the following code?**

>>> fruits = ["apple", "banana", "cherry"]

>>>for x in fruits:

print(x)

1. Apple, cherry
2. Banana, Apple
3. Cherry, Banana
4. apple, banana, cherry
5. **Which one of the following is not a data type in python?**
6. Float
7. Tuple
8. Decimal
9. List
10. **What is the difference between a tuple and a list?**
11. A list is a data structure in Python that is a mutable, or changeable, ordered sequence of elements while a tuple is a data structure in Python that is an immutable or an unchangeable, ordered sequence of elements
12. A list is a data structure in Python that is an immutable or an unchangeable, ordered sequence of elements while a tuple is a data structure in Python that is a mutable, or changeable, ordered sequence of elements
13. A list is a data structure in Python that is a mutable, or changeable, ordered sequence of elements while a tuple is a whole number, positive or negative, without decimals, of unlimited length
14. A list is a whole number, positive or negative, without decimals, of unlimited length while a tuple is a tuple is a data structure in Python that is an immutable or an unchangeable, ordered sequence of elements
15. **Which among the following library is used for python GUI development?**
16. Numpy
17. Tkinter
18. Date-time
19. Pandas
20. **What are widgets?**
21. They are elements of Graphical User Interface (GUI) that displays/illustrates information or gives ways for the user to interact with the OS.
22. They are elements that can contain text and can perform an action when clicked
23. They are rectangular regions used to group related elements or provide padding between elements
24. No idea
25. **What is the difference between a button widget and a label widget?**
26. Label widgets are used to display text or images while button widgets are used to get a little bit of text from a user
27. Button widgets are used to display clickable buttons while Label widgets are used to display text or images
28. Button widgets are used to display clickable buttons while label widgets are widgets in Python that are a mutable, or changeable, ordered sequence
29. None of the above
30. **What is a spinbox?**
31. A spinbox is an element that can contain text and can perform an action when clicked
32. A spinbox is a widget that displays/illustrates information or gives ways for the user to interact with the OS.
33. The Spinbox widget is a variant of the standard Tkinter Entry widget, which can be used to select from a fixed number of values.
34. None of the above
35. **Which of the following lines of code has the correct syntax for creating a button?**
36. label\_a = tk.Label(root, text="I'm in Frame A")

label\_a.pack()

1. label\_b = tk.label(root, text="I'm in Frame B")

label\_b.pack()

1. label\_b = tk.Button(root, text="I'm in Frame B")

label\_btn.pack()

1. label\_b = tk.Button(root, text="I'm in Frame B")

label\_b.pack()

1. **What is a dictionary as used in Python programming?**
2. It is a list that contain words of a language and gives their meaning
3. A dictionary is a collection which is unordered, changeable and does not contain duplicates.
4. A dictionary is a data structure in Python that is an immutable or an unchangeable, ordered sequence of elements
5. I don’t know
6. **Which one of the following is not used to adjust frame appearance?**
7. tk.SUNKEN
8. tk.FLAT
9. tk.RAISED
10. tk.REDUSED
11. **What are python functions?**
12. A function is a block of code which only runs when it is called.
13. Functions are logical blocks used within programming.
14. A function is a collection which is unordered, changeable and does not contain duplicates.
15. None of the above
16. **What is the out put of the following code?**

**>>>def add\_two\_numbers(a, b):**

**add = a + b**

**print(add)**

**>>>add two numbers(9, 10)**

1. 19
2. -19
3. 1
4. Error
5. **What lines contain errors in the following code.**

**import tkinter as Tk**

**window = TK.Tk()**

**frame\_a = tk.Frame()**

**frame\_b = tk.Frame()**

**label\_a = tk.Label(master=frame\_a, text="I'm in Frame A")**

**label a.pack()**

**label\_b = tk.Label(master=frame\_b, text=I'm in Frame B)**

**label b.pack()**

**frame\_a.pack()**

**frame\_b.pack()**

**window.mainloop()**

1. Line 1, 2, 6 and 7
2. Line 6, 7, 8 and 1
3. Line7, 9, 10 and 1
4. Line 1, 6, 8 and 2