Q1
Mark as true or false

1. All keywords are in lowercase

```
False
```

2. All the keywords except True and False and None are in lowercase...

```
True
```

3. The output of print(str) if str == “Hello World” ...

```
True
```

4. Python is a dynamically typed language

```
True
```

5. in the next example. X is assigned a value that represent 10 .... Python can’t handle large numbers

```
False, it does
```

6. A string is immutable in Python ....

```
False
```

7. In Python 3, whatever you put inside the input() it retruns a string

```
True
```

8. In Python 3, the integer ranges from 2.146....

```
True
```

9. You can use the eval to evaluate and convert the passed value to a numeric value

```
False, it runs code
```

10. The split method splits a string into a list of substrings...

```
True
```

11. The code output prediction is “Hello Alice”

```
False, no `,’ or `+’
```

12. The output of the next two Python code snapshots is the same

```
True
```

13. The format method in Python is used to convert data typer to a string

```
True
```

Q2
Chooce the correct answer

1. All the keywords except ... are in lower case

D

2. Identifier are the name given to

A

3. ... allows a Python to determine if a string is a keyword

A

4. We can use the ... way to get the list of keywords in Python

B

5. What is the maximum possible length of an identifier

C

6. Which of the following is false for variable names in Python

C

7. Which of the following is not a valid variables name in Python

B

8. Which of the following is not a keywor

A

9. All keywords in Python are in

A

10. Create a variable named carname and assign the value Volo to it

D

11. Create a variable named x and assign the value 50 to it

B

12. What happens if the user enter 5a when executing the following code

A

13. The corect syntax to assign vgalues to multiple variables in one line

D

14. Insert the correct syntax to asign the same value to all three variables in one line of code

B

15. Which of the following is used to read user input in Python

A

16. What is the output of the following code

B

17. The format functoin, when applied on a string returns

D

18. What is the output of ```print(“hello” + 1 + 2 + 3)```

C

19. What is the output of ``` print(“hello”, 1, 2, 3) ```

A

20. What is the output when the following code is executedf

A

21. What is the output when following statement is executed

A

22. What is the output when following statement is executed

D

23. Say s = “hello” what will be the return value of type(s)

C

24. Immutable built-in datatypes of Python

C

25. Mutable built-in datatypes of Python

D

26. The .... functoin in Python converts a number to a string

B

27. Which of the following is not a Python data type

D

28. The following code example would print the data type of x, what would that be

C

29. The following code example would print the data type of x, what would it be

C

30. The following code example would print the data type of x, what would it be

C

31. The following code example would print the data type of x, what would it be

C

32. Which of these is not a core data type

D

33. The supported data types in Python

D

34. Which of the following is a complex number

A

35. Which of the following is not a complex number

C

36. Which of the following cannot be a variable

B

37. Which of the following is an invalid statement

B

38. Which of the following is a valid statement

D

39. Which of the following is true for variable names in Python

A

40. Which of the following is an invalid variable

B

41. Which of the following is invalid

D

42. Which of the following python statement is valid

D

43. Which of the following is incorrect

D

44. Select all options that print ``` hello-how-are-you ```

C

45. What error occurs when you execute ``` apple = mango````

B

46. Following set of commands are executed in shell, what will be the output

A

47. insert the correct syntax to convert x into a floating point number

A

48. Insert the correct syntax to convert x into an int

A

49. Insert the correct syntax to convert x into a complex number

A

50. Use the len function to print the length of the string

B

51. Gets the first character of the string txt

A

52. Gets the character from index 2 to index 4

C

53. Return the string without any whitespace

A

54. Convert the value of txt to uppercase

A

55. Convert the value of txt to lover case

D

56. Replace the charcter H with J

D

57. Insert the correct syntax to add a placeholder for the age param

A

58. The statement below would print a Boolean value which one?

C

59. The statement below would print a boolean value, which one

A

60. The statement below would print a boolean value, which one

C

61. The statement below would print a boolean value, which one

A

62. What is the output of the following code

D

63. What is the output of the following code

B, although it’s wrong, but it’s the closest to be right, the right answer is 'qoR'

64. What is the outptu of the following code

D

65. In Python 3, what is the output of ```print(type(range(5)))``` what datat type does it return

C

66. What Is the data type of ```print(type(0xFF))```

D

67. What arre the right ways to create literal

D

68. What is the data type of ```print(type(10))```

C

69. Select all the valid string creation in Python

A

70. In Python 3, which function are used to acept input from the user

A

71. What is the output of the following ```print()``` function

B

72. What is the output of the following ```print()``` function

A

73. What is the output of ```print("%x, %X" % (15, 15))```

D

74. What is the output of the following code

C

75. What is the output of the following ```print()``` function

A

76. What is the outpu tof the following ```print()``` function

B

77. What is the output of ```print("[%c]" % 65)```

C

78. What will be displayed as an output on the screen

A

79. Select which is right for Python integers

D

80. Code output prediction

C

81. Code Output Prediction

A

82. Code Output Prediction

B

83. What will be the output of the following code

B

84. Strings in Python can also start/end with

C

85. Code Output Prediction

A

86. Wha is the output of the following code

C

87. What is the output of the following code

A

88. Select the not correct float numbers

C]

89. What is the type of the following variable ```x = -5j```

B

Q3
Which of the following is a reserved keywords in Python

2, 4, 5, 6, 8

Q4
Which of the following are legal or illeagal identifiers and why?

1 → Legal

2 → Legal

3 → Illegal, because of the # symbol

4 → Illegal, because of the hyphen (-) symbol

5 → Illegal, because of the @ symbol

6 → Legal

7 → Illegal, because it’s a reserved keyword

8 → Legal

9 → Illegal, because it’s a reserved keyword

10 → Legal

11 → Legal

12 → Illegal, because it started with a number

13 → Illegal, because of the ‘ symbol

14 → Illegal, because of the space

15 → Illegal, because it started with a number

16 → Legal

17 → Illegal, because of the + symbol

18 → Legal

19 → Legal

20 → Illegal, because of the @ symbol

21 → Illegal, because of the space

22 → Legal

23 → Legal

24 → Legal

25 → Legal

26 → Legal

27 → Illegal, because of the space

Q5
What are the output of the folowing Python programs?

1:

```
lucky
the day, month, year
the date is 7/7/2016
```

```
```

2:

```
Eng:Ruqih Hussein Salman
My lucky number is 7, what is yours?
My lucky number is 7, what is yours?
E
Eng
```

3:

```
458.54
```

4:

```
34.5
345
7
321
error
error
error
```

5:

```
Hello World
Hello
```

Q6
Do these Programming Exercises with Python language to

1. Write a program to demonstrate different number data types in Python

```
int_num = 10
float_num = 10.5
complex_num = 2 + 3j
print("1. Number Data Types:")
print("Integer:", int_num)
print("Float:", float_num)
print("Complex:", complex_num)
```

2. Make a program that displays the name of your favorite Quran reader

```
print("My favorite Quran reader is: Mishary Rashid
Alafasy")
```

3. Make a program that asks a phone number

```
phone_number = input("Enter your phone number: ")
print("You entered:", phone_number)
```

4. Display three string “Name”, “is”, “Ruqaih” as ```” “Name**Is**Ruqaih Salman”```

```
name = "Ruqaih Salman"
print(f"Name**Is**{name}")
```

5. Make a program that asks the user preferred programming language and then print them

```
```

```
language = input("What's your preferred programming
language? ")
print(f"Awesome! You love {language}.")
```

6. Make a program to print ASCII value of character

```
char = input("Enter a character: ")
print(f"ASCII value of '{char}' is {ord(char)}")
```

7. Display float number with 2 decimal places using print(), given ```num = 458.541315``` execpted output ```458.54```

```
num = 458.541315
print(f"{num:.2f}")
```

8. Write a program to take three names as input from a user in one single input() function call

```
name1, name2, name3 = input("Enter three names
separated by space: ").split()
print("Names:", name1, name2, name3)
```

9. Write a program to take n names as input from a user in the single input(), using list and map and .split(“/”)

```
names = list(map(str, input("Enter names separated by
'/': ").split('/')))
print("Names List:", names)
```

```

10. write a program to use

    string.format() method
    f.literal
    Concatenation string
    using comma

    given:

    ‵‵‵
    totalMoney = 1000
    quantity = 3
    price = 450
    ‵‵‵

    expected output :

    ‵‵‵
    I have 1000 dollars so I can buy 3 footbal for 450.00 dollars
    ‵‵‵

    ```
    totalMoney = 1000
    quantity = 3
    price = 450

    print("Using format(): I have {} dollars so I can buy {} football for {:.2f} dollars".format(totalMoney, quantity, price))
```
```

```
    print(f"Using f-string: I have {totalMoney} dollars so
I can buy {quantity} football for {price:.2f} dollars")

    print("Using concatenation: " + "I have " +
str(totalMoney) + " dollars so I can buy " + str(quantity)
+ " football for " + str(price) + " dollars")

    print("Using commas:", "I have", totalMoney, "dollars
so I can buy", quantity, "football for", price, "dollars")
```

11. Create a program that asks the user to enter their name and age then print out a message addresed to them that tells them that year they will turn 100 years old

```
    name = input("Enter your name: ")
    age = int(input("Enter your age: "))
    current_year = 2025
    year_when_100 = current_year + (100 - age)
    print(f"{name}, you will turn 100 years old in the year
{year_when_100}.")
```