* Develop a function to check if the positive integer belongs to Fibonacci series or not.
  + Raise ValueError exception with message "Invalid Value" if the argument passed is not valid positive integer.

1. Which of the following is NOT a basic data type in Python?

a) int

b) float

c) complex

d) array

Answer: d) array

1. What is the result of the following code?

| x = 3 y = 2 z = x / y print(z) |
| --- |

a) 1.5

b) 1

c) 2

d) 3/2

Answer: a) 1.5

1. What is the correct way to declare a list in Python?

a) list = (1, 2, 3)

b) list = [1, 2, 3]

c) list = {1, 2, 3}

d) list = "1, 2, 3"

Answer: b) list = [1, 2, 3]

1. What is the output of the following code?

| my\_dict = {"apple": 2, "banana": 4, "orange": 1} print(len(my\_dict)) |
| --- |

a) 2

b) 3

c) 4

d) None of the above

Answer: b) 3

1. What is the result of the following code?

| x = 10 if x > 5 and x < 15:  print("x is between 5 and 15") Else: print("x is not between 5 and 15") |
| --- |

a) x is between 5 and 15

b) x is not between 5 and 15

c) Syntax Error

d) None of the above

Answer: a) x is between 5 and 15

1. What is the correct way to declare a function in Python?

a) function add(x, y):

b) def add(x, y):

c) def add x, y

d) function add x, y

Answer: b) def add(x, y):

1. What is the output of the following code?

| my\_list = [1, 2, 3] my\_list.append(4) print(my\_list) |
| --- |

a) [1, 2, 3]

b) [1, 2, 3, 4]

c) [4, 3, 2, 1]

d) None of the above

Answer: b) [1, 2, 3, 4]

1. What is the correct way to declare a class in Python?

a) class MyClass

b) MyClass()

c) class MyClass():

d) None of the above

Answer: c) class MyClass():

1. What is the result of the following code?

| x = 4 y = 3 if x > y:  print("x is greater than y") elif x < y:  print("x is less than y") Else:  print("x is equal to y") |
| --- |

a) x is greater than y

b) x is less than y

c) x is equal to y

d) Syntax Error

Answer: a) x is greater than y

1. Here's a function to check if a positive integer belongs to Fibonacci series or not:

| def is\_fibonacci(n):  a, b = 0, 1  while b < n:  a, b = b, a + b  return b == n |
| --- |

What exception will be raised with the message "Invalid Value" if the argument passed is not valid positive integer?

a) TypeError

b) ValueError

c) SyntaxError

d) AssertionError

Answer: b) ValueError