Introduction to Python Coding – Test 1/5

Choose the correct answer from the following Python code.
Wait… before starting, start the clock to find out how long you can complete these problems.
When you're ready… GO!

1
```
print("Hello World")
```
a. "Hello World"
b.print("Hello World")
c. Hello World
d. HelloWorld

2
```
a=1+2
print(a)
```
a. 1+2
b."1+2"
c."3"
d. 3

3
```
b=(4+"4")
print(b)
```
a. 4
b. TypeError
c. "8"
d. 44

4
```
c=("10"+"0")
print(c)
```
a. 100
b. "10"
c. TypeError
d. "100"

5
```
d=("9" * 6)
print(d)
```
a. 54
b. TypeError
c. 999999
d. "999999"

6
```
e=(25/5)
print(e)
```
a. 5
b. "5"
c. 5.0

11
```
p="hello"
q="Good morning"
print(p+q)
```
a. hello good morning
b. helloGood morning
c. hellogood morning
d. hello Good morning

12
```
a="hello "
b=a
c=b*3
print(c)
```
a. TypeError
b. hello3
c. hellohellohello
d. hello hello hello

13
```
word="Indonesia"
first=a[0]
second=a[1]
print(first,second)
```
a. I,n
b. I n
c. In
d. in

14
```
word="Indonesia"
len(word)
word[0:4]
```
a. 9 dan Ind
b. 9 dan Indo
c. 9 dan Indon
d. 9 dan Indone

15
```
word1="Mall Lippo"
word2="Cikarang Barat"
slice1=word1[5:len(word1)]
slice2=word2[0:8]
print(slice1+slice2)
```
a. Lippo Cikarang
b. LippoCikarang
c. Lippo cikarang
d. lippocikarang

16
```
a = "hello"
b = "Hello"
a == b
```
a. True
b. False

d. “5.0”

7
```
f=5*5
print(f)
```

a. 25
b. 25.0
c. “25”
d. ”25.0”

8
```
a = 6
b = “6”
a = b
print(a+b)
```

a. 6
b. 12
c. 66
d. 6”6”

9
```
a=100
b=50
c=a
b=c
print(b)
print(a+b)
```

a. 50 dan 150
b. 100 dan 200
c. 150 dan 150
d. 50 dan 200

10
```
x=50
y=50
x=x-10
print(x)
print(x+y)
```

a. 40 dan 90
b. 50 dan 100
c. 40 dan 100
d. 50 dan 90

17
```
a = “hello”
b = “Hello”
a = b
a == b
```

a. True
b. False

18
```
a = 6
b = a
a == b
a > b
a >= b
a <= b
```

a. False True False False
b. True False False True
c. True False True True
d. False True True True

19
```
threshold = 90
score = 100
if ______ __ ________ :
      print(“passed”)
else:
      print(“failed”)
```

a. threshold > score
b. score > threshold
c. score == threshold
d. score < threshold

20
```
if light == “red”:
      print(“stop”)
elif light == “yellow”:
      print(“slow down”)
elif light == “green”:
      print(“go”)
else:
      print(“unknown”)

light = “blue”
```

a. stop
b. slow down
c. go
d. unknown

Introduction to Python Coding – Test 2/5

Choose the correct answer from the following Python code.
Wait… before starting, start the clock to find out how long you can complete these problems.
When you're ready… GO!

21 Complete the missing part

```
for i in _____(5):
      print(i)
```

a. range
b. number
c. step
d. enumerate

22

```
word="HELLO"
for i in words:
      print(i)
```

a. H E L L O
b. h e l l o
c. NameError
d. H e l l o

23 Correct this script

```
While true
      print("Hello")
```

a. while True
b. while True:
c. WHILE TRUE:
d. While True:

24 How to break a looping code:
a. Ctrl-A
b. Ctrl-B
c. Ctrl-C
d. Ctrl-D

25

```
a=6
b=10
def addition():
      print(a+b)
```

how to run the function
a. addition(a+b)
b. addition
c. addition()
d. Addition()

26

```
a=100

def subtraction(b):
      print(a-b)
```

how to run the function
a. subtraction()
b. subtraction(10)
c. subtraction(b)
d. subtraction

31

```
basket=[]
type(basket)
```

a. None
b. number
c. string
d. list

32

```
basket=["apple","orange","banana"]
len(basket)
```

a. 1
b. 2
c. 3
d. 4

33

```
basket=["apple","orange","banana"]
basket[0]
```

a. orange
b. apple
c. apple, orange
d. banana

34

```
basket=["apple","orange","banana"]
basket[len(basket)-1]
```

a. apple
b. orange
c. banana
d. orange,banana

35

```
basket=["apple","orange","banana"]
basket.append("watermelon")
```

a.["apple","orange","banana"]
b. ["apple","orange","banana","watermelon"]
c. ["watermelon","apple","orange","banana"]
d.["apple","orange","watermelon"]

36 Still with basket from no. 34 above. Add guava

a. basket.append(guava)
b. basket append("guava")
c. basket.append("guava")
d. basket,append("guava)

27 message=”Micropython is cool”
def myFunction(x):
print(x)
to print the message, how to run the function
a. myfunction()
b. myFunction(message)
c. myFunction (message)
d. MyFunction(message)

28 What is missing from this code
def function(a)
b=(a+100)
return b

a. : and identation on 2nd and 3rd line
b. identation
c. identation on 2nd and 3rd line
d. : only

29 def myfunction(month):
if month == “January”:
print(“Winter”)
elif month == “April”:
print(“Spring”)
elif month == “July”:
print(“Summer”)
elif month == “November”:
print(“Autumn”)
To return “Summer”, how to run the function
a. myfunction(month)
b. myfunction(July)
c. myfunction(“July”)
d. myfunction(“JULY”)

30 purchase=400
cash=1000
which function and command to run will display the change amount 600 on the screen
a. def subtraction(purchase,cash):
print(cash-purchase)

subtraction(400,1000)

b. def subtraction(purchase,cash):
print(cash-purchase)

subtraction(purchase,cash)

c. def subtraction(purchase,cash)
print(cash-purchase)

subtraction(400,1000)

d. def subtraction(purchase cash):
print(purchase-cash)

subtraction(purchase,cash)

37 for i in basket:
print(i)
output in order will be:
a. apple, orange, banana, watermelon
b. apple, orange, watermelon, banana, guava
c. apple, orange, banana, watermelon, guava
d. guava, apple, orange, banana, watermelon

38 Remove orange from the basket

a. basket.delete(orange)
b. basket.remove(orange)
c. basket.remove(“orange”)
d. basket.delete(“orange”)

39 Insert strawberry in basket as order

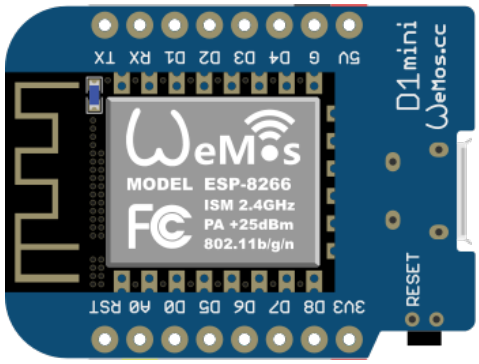
a. basket.insert(0,”strawberry”)
b. basket,insert(1,”strawberry”)
c. basket.insert(1,strawberry)
d. basket.insert(0,strawberry)

40 Empty the basket

a.basket.delete()
b.basket=[]
c.basket=0
d.basket.remove()

Introduction to Python Coding – Test 3/5

From this stage, we will entering physical computing using microcontroller ESP8266 model Wemos D1 Mini.



41 How many digital and analog pins are there in ESP8266 Wemos D1 Mini we can program

a. digital 8 analog 1
b. digital 9 analog 1
c. digital 11 analog 1
d. digital 14 analog 1

42 Digital Pin D1, D2, D3, D4 have internal Pin number.
a. Pin 5, Pin 4, Pin 0, Pin 2
b. Pin 4, Pin 5, Pin 0, Pin 2
c. Pin 1, Pin 2, Pin 3, Pin 4
d. Pin 5, Pin 4, Pin 3, Pin 2

43 Digital Pin D0, D5, D6, D7, D8 have internal number.
a. Pin 0, Pin 5, Pin 6, Pin 7, Pin 8
b. Pin 15, Pin 16, Pin 12, Pin 13, Pin 14
c. Pin 16, Pin 14, Pin 12, Pin 13, Pin 15
d. Pin 12, Pin 13, Pin 14, Pin 15, Pin 16

44 What is the difference between Digital and Analog Pin?
a. Digital and Analog read on/off signal
b. Digital read on/off signal, analog read voltage
c. Digital read voltage, analog read on/off signal
d. Digital and Analog read voltage

45 Digital pins are used to interact with object for example led. We use machine library, which one is the correct code line
a. from machine import Pin
b. from machine import pin
c. from Machine import Pin
d. from Machine import pin

51 To pause a code for 1 second which method is used
a. time.pause(1)
b. time.delay(1)
c. time.sleep(1)
d. time.stop(1)

52 To pause a code for half second which method is used
a. time.pause(0.5)
b. time.delay(1/2)
c. time.sleep(0.5)
d. time.stop(1/2)

46 Complete the missing code

```
_1_ machine _2_ _3_
led=Pin(5, _4_.OUT)
```

a. 1=from, 2=import, 3=Pin, 4=Pin
b. 1=from, 2=Import, 3=pin, 4=Pin
c. 1=From, 2=Import, 3=Pin, 4=Pin
d. 1=From, 2=import, 3=Pin, 4=Pin

47 To make the led on, which code is correct
a. led.on
b. led.on()
c. led.ON()
d. led.ON

48 To make the led off, which code is correct
a. led.off
b. led.off()
c. led.OFF()
d. led.OFF

49 Other way to turn on and off led is:
a. led.value(1) and led value(0)
b. led.value(0) and led value(1)
c. led(1) and led(0)
d. led.on(1) and led.off(0)

50 Beside machine there is time library to pause the code. How to import the library
a. Import Time
b. import Time
c. Import time
d. import time